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MAY 7 2014

NMED
Hazardous Waste Bureau

Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

MAY 05 2014

Mr. John E. Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87508-6303

Mr. Tom Blaine, Division Director
Environmental Health Division
Harold Runnels Building
1190 Saint Francis Drive, PO Box 5496
Santa Fe, NM 87502-5469

Subject: Weekly Report for the period ending April 27, 2014, as Requested per Item 14 of the NMED Administrative Order

Dear Mr. Kieling and Mr. Blaine:

The purpose of this letter is to transmit the weekly report for the week ending April 27, 2014, as required by Item 14 of the Administrative Order issued under the New Mexico Hazardous Waste Act § 74-4-13 from Ryan Flynn to Jose R. Franco, M. Farok Sharif, George W. Hellstrom, and Dennis N. Cook. This report is enclosed along with a compact disc containing data requested by the Administrative Order.

We certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. George T. Basabilvazo at (575) 234-7488.

Sincerely,

Jose R. Franco, Manager
Carlsbad Field Office

Per Robert L. McQuinn, Project Manager
Nuclear Waste Partnership LLC

Enclosure

cc: w/ enclosure
T. Kliphuis, NMED * ED
J. Sales, EPA ED
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Weekly Status Report for the New Mexico Environment Department Administrative Order Reporting Period April 21, 2014, through April 27, 2014

14 (a) All Permit-related inspection and monitoring actions taken by the Permittees for this reporting period.

The following are the Permit-related inspections taken for this reporting period:

- See Attachment 1, *Surface Inspections*.

The following are the Permit-related monitoring actions taken for this reporting period:

- *Volatile Organic Compound (VOC) Monitoring*: See Attachment 4, *Environmental Monitoring.*

Surface Volatile Organic Compound (VOC) monitoring is being conducted in lieu of underground monitoring during re-entry and recovery operations. Surface monitoring is being performed to determine its feasibility while the facility is in recovery operations. Samples have been collected twice each week at two locations since February 25, 2014. These samples are 24-hour VOC samples collected on the surface near the Training Building and at the south fence line just behind the Waste Handling Building (WHB). These samples are intended to quantify VOC exposure to a receptor in the Training Building. The samples at the south fence line are intended to quantify background VOC concentrations in the ambient air. The collection method is detailed in procedure WP 12-VC1685, *Subatmospheric and Pressurized Air Sampling in Passivated Canisters*.

To evaluate analytical capabilities, specifically for method reporting limits (MRLs), co-located samples have been collected and sent to Eurofins Air Toxics Inc. Laboratory (ATL) as well as Carlsbad Environmental Monitoring and Research Center (CEMRC). Analytical results for data validated during this reporting period are provided in Attachment 4. There are no validated analytical results from ATL for this reporting period.

- Mode: The VOC monitors are portable.
- Frequency: Twice weekly at both locations.
- Status: Twenty-four (24) hour samples have been collected as discussed above. See Attachment 4 for analytical data for this reporting period.

14 (b) Actions taken with regard to TRU waste shipments that were en-route since February 5, 2014.

Response provided in the initial, March 17, 2014, submittal.

14 (c) Summary of waste shipment information and any other relevant records that document the site of origin, volumes and receipt dates of TRU waste that is currently located at the Facility WHB and Parking Area Unit.

See Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*. All waste is currently being stored in the Waste Handling Building.

14 (d) Information specifying the deadlines for each individual waste assembly as it relates to this Order.

See Attachment 2.

14 (e) Records of inspection and maintenance of the ventilation and filtration system of the Facility WHB after the February 5, 2014, salt truck engine fire and the radiological event of February 14, 2014.

See Attachment 3, *Ventilation Fans Inspection Round Sheets* (best available copies).

14 (f) Location of any environmental monitoring equipment, including identification whether they are stationary, mobile, or permanent. This includes, but is not limited to VOC monitoring stations, radiological monitoring stations, meteorological monitoring, surface water monitoring, vegetation sampling. The reports shall include dates of deployment and sampling, and all data that has been produced by these monitoring stations for this reporting period.

See Attachment 4, *Environmental Monitoring,* which includes tables with the locations of environmental monitoring equipment (including identification whether they are stationary, mobile, or permanent) and data. Aerial photos and diagrams displaying monitoring locations are included. The following briefly describes the monitoring information that is being provided in Attachment 4.

- VOC monitoring stations – Portable surface monitoring equipment has been deployed as described in Item 14 (a) of the March 17, 2014, report. Sample analysis is provided in Attachment 4.

- Meteorological monitoring data are being provided in Attachment 4 and on the enclosed compact disc. When the data for the month of March were being validated, it was discovered that the 2-meter wind direction instrument was experiencing a malfunction causing erratic data output. When invalid data are encountered, all data readings for that time stamp are removed from the meteorological database. Data validation procedures require that a data replacement method be developed if more than 10 percent of data have been invalidated. The data replacement method must be reviewed and approved by a quality-assurance representative and the cognizant engineer. It was determined that the 10-meter wind direction data would be used to replace the erroneous 2-meter wind direction data. This is a suitable replacement because the difference between the 2-meter and 10-meter wind direction is typically not more than five degrees,

which is considered an acceptable margin of error per instrument calibration procedures.

All the meteorological tower stations (2, 10, and 50 meter) were down for maintenance from 8:00 a.m. on April 24, 2014, through 7:30 a.m. on April 25, 2014; therefore, all data were considered invalid during this time period and are not included in the spread sheet. Additionally, invalid wind speed data at the 2, 10, and 50 meter stations were generated at 7:00 a.m. on April 21, 2014. As with the data during the maintenance period, data from this interval is also not shown. No replacement data are required in these cases since the 90-percent data completeness criterion has been met. The 2-meter wind direction instrument was repaired and began functioning properly and taking valid measurements at 7:45 a.m. on April 25, 2014.

- Radiological monitoring
  - Environmental air samples – Stationary low volume air samplers continuously sample air at the locations shown in Attachment 4.
  - Soil samples – Soil samples were obtained on the dates and locations shown in Attachment 4.
  - Surface water samples – Surface water samples were obtained on the dates and at the locations shown in Attachment 4.
  - Sediment samples – Surface water and sediment samples are taken from earthen tanks that are frequently "dry" during the year. If water is present, sediment samples may be obtained in combination with water samples. Samples were obtained on the dates and at the locations shown in Attachment 4.
  - Biota (Vegetation) samples – Vegetation samples were obtained on the dates and locations shown in Attachment 4.
  - Biota (Fauna) samples – A biotic sample was obtained on the date shown in Attachment 4.
  - Salt samples – Salt samples were obtained on the dates and locations shown in Attachment 4.

14 (g) The status of surface ventilation fans and timeline of operation since January 1, 2014.

See Attachment 3, *Ventilation Fans Inspection Round Sheets* (best available copies).

14 (h) Exhaust Filter Building HEPA filter differential pressure data beginning February 14, 2014.

See Attachment 5, *Filter Differential Pressures,* and the Excel spreadsheet provided on the enclosed compact disc.

14 (i) Derived waste origin and volume (total per container) container type, specific locations (i.e., where it is being stored) and if mixed or non-mixed.

No derived waste has been generated as a result of recovery activities.

Attachment 1
Surface Inspections

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Air Intake Shaft Hoist	Underground Operations	Preoperational	WP 04-HO1004 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability in accordance with Mine Safety and Health Administration (MSHA) requirements	Last performed on 4/23/14	Preoperational checks performed daily before hoist is declared in service.
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Due 3/31/14	No underground inspections due to fire and radiological events. No personnel allowed in this area of the facility pending finalization and implementation of reentry plans.
Salt Handling Shaft Hoist	Underground Operations	Preoperational	WP 04-HO1002 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability in accordance with MSHA requirements	Last performed on 4/23/14	Preoperational checks performed daily before hoist is declared in service.
Waste Hoist	Underground Operations	Preoperational	WP 04-HO1003 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability, Leaks/Spills, in accordance with MSHA requirements	Preoperational	No underground inspections due to fire and radiological events. No personnel allowed in this area of the facility pending finalization and implementation of reentry plans

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
MSHA Air Quality Monitor	Maintenance/ Underground Operations	Daily	WP 12-IH1828 Inspecting for Air Quality Monitoring Equipment Functional Check	Last performed on 4/23/14	Entry to the underground on 4/23/14; instrument functional test performed.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	4/27/14	
Fire Detection and Alarm System	Emergency Services	Semiannually	12-FP0027 Inspecting for Deterioration, Operability of indicator lights and, underground fuel station dry chemical suppression system. Inspection is per NFPA 17	Inspection Current Completed 1/7/14 Due 7/7/14	
Fire Extinguishers	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Inspection Current Completed 3/28/14 Due 4/28/14	
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031 Inspecting for Deterioration and Leaks/Spills	Inspection Current Completed 3/26/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Fire Hydrants	Emergency Services	Semi-annual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	Inspections Current 5-year Test Completed 11/23/13 Semi-Annual Completed 3/28/14	
Fire Pumps	Emergency Services	Weekly/annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	Inspections Current Completed 4/21/14	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Inspections Current Completed 4/21/14, 4/22/14, 4/23/14	
Fire and Emergency Response Trucks (Seagrave Fire Apparatus, Emergency One Apparatus)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Inspections Current Completed 4/25/14	
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Inspections Current Completed 4/22/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Personal Protective Equipment (not otherwise contained in emergency vehicles or issued to individuals): —Self-Contained Breathing Apparatus	Emergency Services	Weekly	12-FP0029 Inspecting for Deterioration and Pressure	Inspections Current Completed 4/26/14	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Inspection Current Completed 4/24/14	
Vehicle Siren	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Inspections Current Completed 4/24/14, 4/25/14, 4/27/14	
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	Inspections Current Completed 4/22/14 (41-T-035)	
Facility Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1204 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles, and guards in the proper place	Inspections Current Last Completed 4/17/14 (41-H-020A)	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Conveyance Loading Car	Waste Handling	Preoperational	WP 05-1406 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles and guards in the proper place	Last completed 2/5/14	Based upon plant configuration due to the fire and radiological event, no waste downloading to the underground has been performed.
Forklifts Used for Waste Handling (Electric and Diesel forklifts, Push-Pull Attachment)	Waste Handling	Preoperational	WP 05-WH1201, WP 05-WH1207, WP 05-WH1401, WP 05-WH1402, WP 05-WH1403, and WP 05-WH1412 Inspecting for Mechanical Operability, Deterioration, and On board fire suppression system	Inspections Current Completed 4/23/14 (41-H-012D) (41-H-012E) Completed 4/22/14 (41-H-010B) Completed 4/21/14 (41-T-051) Push-Pull Attachment Completed 4/22/14 (41-T-160B)	
Surface TRU Mixed Waste Handling Area	Waste Handling	Preoperational or Weekly	WP 05-WH1101 Inspecting for Deterioration, Leaks/Spills, Required Aisle Space, Posted Warnings, Communication Systems, Container Condition, and Floor coating integrity	Inspections Current Completed 4/27/14 (Pre-operational) Completed 4/21/14 (Weekly) Completed 4/27/14 (Surge Area)	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Last Completed 12/31/13	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
TDOP Upender	Waste Handling	Preoperational	WP 05-WH1010 Inspecting for Mechanical Operability and Deterioration	Last Completed 10/9/13	No change, this is an operational inspection and not needed for normal or daily operations.
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Inspections Current Completed 4/22/14 (41-T-151D) Last Completed 4/14/14 (41-T-151C)	
Push-Pull Attachment	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Completed 4/22/14 (41-T-160B)	
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Inspection Current Completed 4/24/14 (41-H-151A) (41-H-151B)	
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Inspection Current Last Completed 3/27/14 (41-T-053A) (41-T-054A)	This inspection is for the bolting station.
Yard Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1205 Mechanical Operability, clear of obstacles and Guards in proper place	Inspection Current Last Completed 3/27/14 (41-H-021B)	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Inspection Current Last Completed 3/27/14 (41-H-027)	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Payload Transfer Station	Waste Handling	Preoperational	WP 05-WH1208 Mechanical Operability, Deterioration, and Guards in proper place	Inspection Current Last Completed 4/17/14	
Backup Power Supply Diesel Generators	Facility Operations	Monthly	WP 04-ED1301 Inspecting for Mechanical Operability and Leaks/Spills by starting and operating both generators. Results of this inspection are logged in accordance with WP 04-AD3008.	Inspections Current Completed 4/27/14	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Inspection Current (Automatic)	
Mine Pager Phones (between surface and underground)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations	Inspections Current Completed 4/24/14	
Public Address (and Intercom System)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations Systems operated in test mode	Inspection Current Completed 4/24/14	
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	Inspections Current Completed 4/24/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Uninterruptible Power Supply (Central UPS)	Facility Operations	Daily	WP 04-ED1542 Inspecting for Mechanical Operability and Deterioration with no malfunction alarms. Results of this inspection are logged in accordance with WP 04-AD3008.	Inspection Current Completed 4/27/14	
Water Tank Level	Facility Operations	Daily	SDD-WD00 Inspecting for Deterioration, and water levels. Results of this inspection are logged in accordance with WP 04-AD3008.	Inspection Current Completed 4/27/14	
Facility Inspections (Water Diversion Berms)	Facility Engineering	Annually	WP 10-WC3008 Inspecting for Damage, Impediments to water flow, and Deterioration	Inspections Current Completed 9/25/13	
Eye Wash and Shower Equipment	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	4/21/14 – 4/24/14	
Perimeter Fence, Gates, Signs	Security	Daily	PF0-010 Inspecting for Deterioration and Posted Warnings	Inspections Current Completed 4/27/14	Fence line is inspected 8 times in a 24-hour period with no problems detected during this reporting period.
Ventilation Exhaust	Maintenance Operations	Quarterly	IC041098 Check for Deterioration and Calibration of Mine Ventilation Rate Monitoring Equipment	41F30703 Fan A 11/9/13 41F30704 Fan B 5/20/13 41F30702 Fan C 12/18/13	No underground inspections due to fire and radiological events. Fans are not in use and fans are undergoing maintenance.

Attachment 2
TRU Mixed Waste Currently in Storage at the WIPP Facility

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	5/17/2014 8:15	SR139200	6-55G Drums	44.4
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	5/17/2014 8:15	SR139201	7-55G Drums	51.8
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:32	5/17/2014 8:32	SR139206	4-55G Drums	29.6
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:34	5/17/2014 8:34	SR139207	7-55G Drums	51.8
LANL	LA140018	2/1/2014 1:30	1/29/2014 14:25	3/29/2014 14:25	2/1/2014 12:40	5/17/2014 12:40	LA139903	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:25	5/17/2014 14:25	LA139927	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:26	5/17/2014 14:26	LA139928	1 SWB	66.3
INL	IN140037	2/1/2014 21:11	1/30/2014 14:00	3/30/2014 14:00	2/2/2014 10:17	5/18/2014 10:17	IN139806	1 TDOP	160
INL	IN140037	2/1/2014 21:11	1/30/2014 14:03	3/30/2014 14:03	2/2/2014 10:24	5/18/2014 10:24	IN139814	1 TDOP	160
SRS	SR314011	1/28/2014 14:10	1/22/2014 8:30	3/22/2014 8:30	2/3/2014 12:14	5/19/2014 12:14	SR139781	1 SLB2	261
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	5/19/2014 13:15	IN139540	1 SWB	66.3
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	5/19/2014 13:15	IN139541	1 SWB	66.3
INL	IN140041	2/3/2014 7:13	1/31/2014 13:30	3/31/2014 13:30	2/3/2014 14:37	5/19/2014 14:37	IN140062	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:21	3/31/2014 13:21	2/4/2014 9:04	5/20/2014 9:04	IN140133	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:40	3/31/2014 13:40	2/4/2014 9:31	5/20/2014 9:31	IN140129	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:35	3/31/2014 13:35	2/4/2014 9:37	5/20/2014 9:37	IN139266	1 TDOP	160
INL	IN140040	2/3/2014 0:17	1/31/2014 13:13	3/31/2014 13:13	2/4/2014 12:22	5/20/2014 12:22	IN139593	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:16	3/31/2014 13:16	2/4/2014 12:55	5/20/2014 12:55	IN140144	1 TDOP	160
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:51	5/20/2014 13:51	SR139755	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:52	5/20/2014 13:52	SR139756	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:00	4/3/2014 10:00	2/4/2014 16:38	5/20/2014 16:38	LA139983	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:05	4/3/2014 10:05	2/4/2014 16:44	5/20/2014 16:44	LA139972	1 SWB	66.3
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:50	5/20/2014 17:50	SR139767	7-55G Drums	51.8
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:51	5/20/2014 17:51	SR139760	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:51	5/20/2014 17:51	SR139766	4-55G Drums	29.6
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:52	5/20/2014 17:52	SR139761	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:34	5/21/2014 8:34	LA139965	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:36	5/21/2014 8:36	LA139966	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:12	5/21/2014 9:12	LA139990	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:13	5/21/2014 9:13	LA139991	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:25	4/4/2014 9:25	2/5/2014 9:32	5/21/2014 9:32	LA140008	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:12	5/27/2014 9:12	IN140096	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:13	5/27/2014 9:13	IN140097	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:30	4/4/2014 9:30	2/11/2014 9:13	5/27/2014 9:13	LA140002	1 SWB	66.3
INL	IN140044	2/6/2014 1:09	2/3/2014 13:55	4/3/2014 13:55	2/11/2014 10:00	5/27/2014 10:00	IN139670	1 TDOP	160
INL	IN140044	2/6/2014 1:09	2/3/2014 13:52	4/3/2014 13:52	2/11/2014 10:43	5/27/2014 10:43	IN139666	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:44	4/3/2014 13:44	2/11/2014 11:00	5/27/2014 11:00	IN140205	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:40	4/3/2014 13:40	2/11/2014 11:02	5/27/2014 11:02	IN139923	1 TDOP	160
SRS	SR314012	1/31/2014 16:10	1/27/2014 10:48	3/27/2014 10:48	3/26/2014 9:33	7/9/2014 9:33	SR139785	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:19	7/9/2014 13:19	SR139977	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:20	7/9/2014 13:20	SR139978	7-55G Drums	51.8
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:04	7/9/2014 17:04	SR139996	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:05	7/9/2014 17:05	SR139997	7-55G Drums	51.8
SRS	SR314013	2/1/2014 15:15	1/28/2014 10:40	3/28/2014 10:40	3/26/2014 18:30	7/9/2014 18:30	SR139789	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:40	7/9/2014 18:40	SR140015	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:43	7/9/2014 18:43	SR140016	7-55G Drums	51.8
INL	IN140044	2/6/2014 1:09	2/3/2014 13:49	4/3/2014 13:49	3/27/2014 10:31	7/10/2014 10:31	IN136332	7-55G Drums	51.8
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:48	7/10/2014 12:48	IN140078	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:50	7/10/2014 12:50	IN140079	1 SWB	66.3
SRS	SR314014	2/4/2014 13:15	1/30/2014 10:30	3/30/2014 10:30	3/27/2014 14:04	7/10/2014 14:04	SR139793	1 SLB2	261
INL	IN140043	2/5/2014 0:30	2/1/2014 11:40	4/1/2014 11:40	3/27/2014 14:51	7/10/2014 14:51	IN140074	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:34	7/10/2014 15:34	IN140090	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:37	7/10/2014 15:37	IN140091	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:45	4/1/2014 11:45	3/27/2014 18:08	7/10/2014 18:08	IN140070	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:30	7/10/2014 18:30	IN140084	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:36	7/10/2014 18:36	IN140085	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
INL	IN140045	2/6/2014 1:27	2/3/2014 13:48	4/3/2014 13:48	3/27/2014 19:24	7/10/2014 19:24	IN140066	1 SWB	66.3
---	19 Shipments	---	---	---	---	---	57 Assemblies	144 Containers	5,137.40 ft^3

[1]55G Drum=7.4 ft^3, SWB=66.3 ft^3, TDOP=160 ft^3, 85G Drum=11.4 ft^3, 100G Drum=13.4 ft^3, SLB2=261 ft^3 (Permit Part 3, Section 3.3.1)
INL – Idaho National Laboratory
LANL – Los Alamos National Laboratory
SRS – Savannah River Site
SWB – standard waste box
SLB – standard large box
TDOP – ten-drum overpack
WHB – Waste Handling Building

Attachment 3
Ventilation Fans Inspection Round Sheets

Round Sheet Legend

Circled Numbers ②	Note numbers on the Comment Section of the Round Sheet
AR	Action Request
EFB	Exhaust Filter Building
I/S	In Service
MBP	Maintenance Bypass
Sec	Secured
STBY	Standby
Tag	Tagged Out
DP	Differential Pressure
″wc	Inches Water Column

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 4/21/14 - 4/27/14

Location: 413, EXHAUST FILTER BLDG. UVFS FANS				DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
				SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
				REVIEWER		Original Signatures on File													
				FOT	C/O														
ITEM	MIN	NORM	MAX																
413-CP-056-01																			
CONTROL PANEL 860 FANS [A]		SAT [B]			1		1		1		1		1		1		1		1
413-CP-307-01B																			
CONTROL PANEL 700 FANS [A]		SAT [B]			2		2		2		2		2		2		2		2
35P-PBJ/1 @ Bldg. 365																			
860A U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]		SEC	SEC	Sec	sec	SEC	SEC	sec	SEC	SEC	SEC	SEC	sec	Sec	Sec	sec
35P-PBJ/1 @ Bldg. 365																			
860B U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]		59.96	59.89	59.22	59.78	58.31	58.12	57.91	60.50	60	57.69	59.32	58.86	59.65	60.04	60.40
35P-PBJ/1 @ Bldg. 365																			
860C U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]		SEC	SEC	Sec	sec	SEC	SEC	sec	SEC	SEC	SEC	SEC	sec	Sec	Sec	sec
413-CP-307-01J																			
700A U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3	TAG 3
413-CP-307-01K																			
700B U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4
413-CP-307-01H																			
700C U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5

NOTES: [A] - CHECK THAT THE AUDIBLE ALARM SOUNDS AND THE ALARM LIGHTS ILLUMINATE. [B] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION. [C] - FLOW READINGS TAKEN AT STA. B), (NOTE: EFB HVAC FLOW INCLUDED IN STA. B READING). [D] - VENTILATION MODES (chart below)

NORMAL MODE (flow per fan l/S) -	MIN = 202	NORM = 212	MAX = 223	MBP MODE w/ 1-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
ALTERNATE MODE (flow per fan l/S) -	MIN = 247	NORM = 260	MAX = 273	MBP MODE w/ 1-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
MINIMUM MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
REDUCED MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
FILTRATION MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63		

COMMENTS: (1) Alarm OOS (AR# 1307583) (3) Out of Spec (AR# 113252) (5) Out of Spec (AR# 113256)
(2) Alarm OOS (AR# 1307584) (4) Out of Spec (AR# 113255)

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Facility Site Operations and Infrastructure WHB CH Room D/P / HVAC / Air Dryer Round Sheet

Date: 4/21/14 - 4/27/14

Location:		DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS		SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL		REVIEWER			Original Signatures on File													
411, WHB MECH EQUIP RM 200 & 208		FOT		C/O														
ITEM	MIN	NORM	MAX															
WHB CH ROOM DPs																		
SHIELDED STORAGE RM PDD-026A "wc				-.11	-.11		-.11		-.14		-.13		-.10		-.11		-.10	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.11	-.11		-.11		-.11		-.11		-.12		-.10		-.11	
SITE GEN WASTE RM. PDD-026C "wc				-.02	-.03		-.02		-.07		-.05		-.01		-.03		-.03	
EQUIP DECON RM. PDD-026D "wc				-.09	-.08		-.09		-.08		-.11		-.08		-.09		-.08	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.11	-.11		-.10		-.1		-.11		-.11		-.11		-.10	
CAGE LOADING ROOM PDD-006 "wc				.04	.04		.04		.04		.05		.43		.04		.06	
AIRLOCK ROOM 107 PDD-007 "wc				-.07	-.07		-.08		-.07		-.09		-.07		.06		-.07	
HVAC CONTROL PANEL CHECKS																		
411-CP-052-15 (835/836 EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-063-16 (861/863 AHUS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-14 (813/817 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-13 (812/816 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
WASTE HANDLING BUILDING AIR DRYER																		
K-015 OUTLET (PSI)	95		135	115 (1)	115 (1)	114 (1)	118 (1)	116 (1)	117 (1)	118 (1)	116 (1)	116 (1)	116 (1)	116 (1)	116 (1)	116 (1)	116 (1)	116 (1)
K-015 AQUADEX INDICATOR		BLUE [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K-015 AUTO BLOWDOWNS /TEST		SAT [A]		✓		✓		✓		✓		✓		✓		✓		✓
K-015 DRYER MODE		AMLOC [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS: (1) Low Press Alarm (Awaiting Vendor)

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Facility Site Operations and Infrastructure RH Room D/P and HVAC Panel Round Sheet

Date: 4/21/14 - 4/27/14

Location:			DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS			SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL			REVIEWER			Original Signatures on File													
411, WHB MECH EQUIP RM 200 & 208			FOT		C/O														
ITEM		MIN	NORM	MAX															
RH ROOM DPs																			
OPERATING GALLERY	PDD-01 "wc				SEC	SEC		Sec		FEC		SEC		SEC		Sec		Sec	
MANIP. REPAIR RM.	PDD-21A "wc				↓	↓		↓		↓		↓		↓		↓		↓	
FILTER GALLERY	PDD-21B "wc				↓	↓		↓		↓		↓		↓		↓		↓	
CASK LOADING RM.	PDD-21C "wc				↓	↓		↓		↓		↓		↓		↓		↓	
CASK TRANSFER CELL	PDD-21D "wc				↓	↓		↓		↓		↓		↓		↓		↓	
WASTE HOIST OPER RM	PDD-21G "wc				↓	↓		↓		↓		↓		↓		↓		↓	
SERVICE ROOM	PDD-21H "wc	-0.00		-0.15	↓	↓		↓		↓		↓		↓		↓		↓	
RH BAY	PDD-21F "wc	0.02		0.7	↓	↓		↓		↓		↓		↓		↓		↓	
HOT CELL	PDT-52 "wc	-0.04		-1.1	↓	↓		↓		↓		↓		↓		↓		↓	
HVAC CONTROL PANEL CHECKS																			
411-CP-051-10	(803/805 AHU/EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-051-11	(804/806 AHU/EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-051-12	(878 A/B EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-058-17	(807 AHU FAN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS:

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Attachment 4
Environmental Monitoring

- **VOC Monitoring Meteorological Monitoring**
- **Meteorological Monitoring**
- **Radiological Monitoring**
    - **Environmental Air Sampling**
    - **Soil Sampling**
    - **Surface Water Sampling**
    - **Sediment Sampling**
    - **Biota (Vegetation) Sampling**
    - **Biota (Fauna) Sampling**
    - **Salt Sampling**

VOC Sampling Locations

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC) and/or Eurofins Air Toxics Inc. Laboratory (ATL)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.32 J
CEMRC	4/9/2014	4/15/2014	8958	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Toluene	108-88-3	0.4	0.26 J
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Trichloroethylene *	79-01-6	0.4	0.3 J
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Butane	106-97-8		7.36 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Butane, 2-methyl-	78-78-4		3.48 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Cyclohexane, methyl-	108-87-2		0.5 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Isobutane	75-28-5		3.94 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Pentane	109-66-0		3 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Pentane, 2-methyl-	107-83-5		0.74 NJ
CEMRC	4/9/2014	4/15/2014	8958	Training Building	Propane	74-98-6		5.8 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.18 J
CEMRC	4/9/2014	4/15/2014	8960	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Chlorobenzene	108-90-7	0.4	U

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

* Additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.
† A value will not appear in the MRL column for TICs.

4/28/2014 9:54 AM

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC) and/or Eurofins Air Toxics Inc. Laboratory (ATL)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Toluene	108-88-3	0.4	0.26 J
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Trichloroethylene *	79-01-6	0.4	U
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Butane	106-97-8		7.38 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Butane, 2-methyl-	78-78-4		3.38 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Cyclohexane, methyl-	108-87-2		0.54 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Nonanal	124-19-6		0.64 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Pentane	109-66-0		2.94 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Pentane, 2-methyl-	107-83-5		0.7 NJ
CEMRC	4/9/2014	4/15/2014	8960	Training Building	Propane	74-98-6		5.56 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Toluene	108-88-3	0.4	0.26 J
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Trichloroethylene *	79-01-6	0.4	U

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

* Additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.
† A value will not appear in the MRL column for TICs.

4/28/2014 9:54 AM

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC) and/or Eurofins Air Toxics Inc. Laboratory (ATL)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Butane	106-97-8		7.3 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Butane, 2-methyl-	78-78-4		3.16 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Cyclohexane, methyl-	108-87-2		0.52 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Isobutane	75-28-5		3.82 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Nonanal	124-19-6		1.34 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Pentane	109-66-0		2.96 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Pentane, 2-methyl-	107-83-5		0.7 NJ
CEMRC	4/9/2014	4/15/2014	8959	South Fenceline	Propane	74-98-6		5.94 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.16 J
CEMRC	4/10/2014	4/15/2014	8962	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Toluene	108-88-3	0.4	0.26 J
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Trichloroethylene *	79-01-6	0.4	U
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Acetone	67-64-1		0.42 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Butane	106-97-8		6 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Butane, 2-methyl-	78-78-4		2.66 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Cyclohexane, methyl-	108-87-2		0.5 NJ

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

* Additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.
† A value will not appear in the MRL column for TICs.

4/28/2014 9:54 AM

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC) and/or Eurofins Air Toxics Inc. Laboratory (ATL)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Isobutane	75-28-5		3.18 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Nonanal	124-19-6		0.64 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Octanal	124-13-0		0.44 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Pentane	109-66-0		2.98 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Pentane, 2-methyl-	107-83-5		0.72 NJ
CEMRC	4/10/2014	4/15/2014	8962	Training Building	Propane	74-98-6		5.34 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Toluene	108-88-3	0.4	0.28 J
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Trichloroethylene *	79-01-6	0.4	U
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Acetone	67-64-1		0.4 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Butane	106-97-8		6.18 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Butane, 2-methyl-	78-78-4		2.72 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Isobutane	75-28-5		3.2 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Pentane	109-66-0		3.04 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Pentane, 2-methyl-	107-83-5		0.76 NJ
CEMRC	4/10/2014	4/15/2014	8961	South Fenceline	Propane	74-98-6		5.68 NJ

Qualifiers:

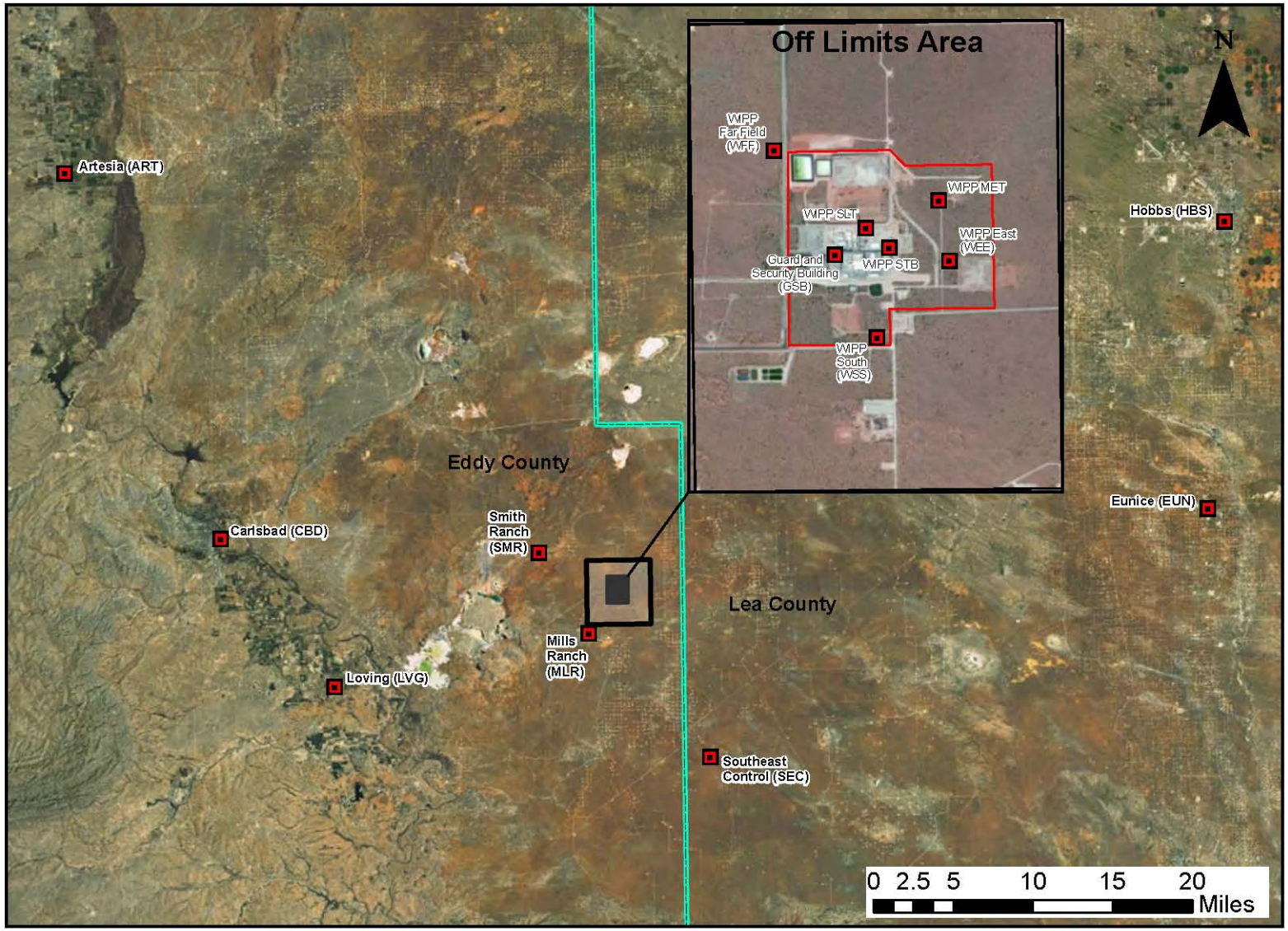
J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

* Additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.
† A value will not appear in the MRL column for TICs.

4/28/2014 9:54 AM

Location of Sampling Sites for Low Volume Air Sampling, Soil Sampling, Biota, and Meteorological Monitoring



Meteorological Data Acronyms and Definitions

Date & Time	Self-explanatory
Day	Numeric identifier
15 min	Time interval of data
Juli date	Julian date (day-of-year number)
2WS m/s	2-meter wind speed in meters per second
2WD Deg	2-meter wind direction in degrees
2SD	2-meter standard deviation
10WS m/s	10-meter wind speed in meters per second
10WD Deg	10-meter wind direction in degrees
10SD	10-meter standard deviation
50WS m/s	50-meter wind speed in meters per second
50WD Deg	50-meter wind direction in degrees
50SD	50-meter standard deviation

2M T Deg C	2-meter temperature in degrees Celsius
10M T Deg C	10-meter temperature in degrees Celsius
50M T Deg C	50-meter temperature in degrees Celsius
10 DT	10-meter differential temperature (2M T minus 10M T)
50 DT	50-meter differential temperature (2M T minus 50M T)
RH %	Relative humidity as percentage
DPT Deg C	Dew point in degrees Celsius
SR	Solar Radiation
BP mB	Barometric pressure in millibars
prcp mm	Precipitation in millimeters

Note 1: The differential temperature columns (10DT and 50DT) are 10-meter or 50-meter temperatures subtracted from the 2-meter temperature reading. Negative values indicate the 10- or 50-meter temperatures are greater than the corresponding 2-meter temperature.

Note 2: The dew point is a number generated by the Met station based on the recorded relative humidity and temperature readings. Dew point is the temperature at which the water in the air will condense to liquid. This temperature can be very low at times, including a negative temperature. The Met system is programmed to display a temperature as low as -30 degrees Celsius.

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/21/2014 00:00	63038	15	111	0.565	283.5	9.540	1.523	283.5	9.540	5.236	271.3	2.500	14.160	19.060	20.980	4.892	6.812	67.34	8.16	0.738	893	0
04/21/2014 00:15	63039	15	111	0.731	261.3	24.550	1.336	261.3	24.550	3.836	274.6	5.249	13.750	18.920	20.480	5.169	6.727	67.37	7.79	0.625	893	0
04/21/2014 00:30	63040	15	111	0.963	179.0	18.150	1.195	179.0	18.150	2.313	248.6	14.610	13.410	18.630	19.500	5.217	6.088	68.16	7.67	0.545	893	0
04/21/2014 00:45	63041	15	111	0.295	165.1	7.506	1.530	165.1	7.506	1.878	254.7	5.543	13.090	17.620	19.120	4.530	6.026	72.47	8.25	0.420	893	0
04/21/2014 01:00	63042	15	111	0.901	137.0	8.230	1.518	137.0	8.230	1.471	262.3	11.600	12.450	17.080	18.870	4.628	6.424	74.26	8.00	0.421	893	0
04/21/2014 01:15	63043	15	111	1.037	127.1	20.690	0.723	127.1	20.690	1.432	305.1	14.510	11.830	18.070	18.860	6.238	7.035	77.80	8.09	0.343	893	0
04/21/2014 01:30	63044	15	111	1.666	42.8	6.987	1.922	42.8	6.987	2.815	342.5	11.480	11.310	17.510	18.550	6.202	7.243	81.50	8.27	0.480	893	0
04/21/2014 01:45	63045	15	111	1.370	49.4	5.475	3.177	49.4	5.475	4.271	7.8	9.220	11.290	15.660	18.080	4.367	6.795	82.00	8.34	0.582	893	0
04/21/2014 02:00	63046	15	111	0.621	58.6	7.248	2.261	58.6	7.248	4.679	348.4	7.287	11.740	13.980	18.570	2.239	6.821	78.36	8.11	0.565	893	0
04/21/2014 02:15	63047	15	111	0.474	53.3	9.090	2.287	53.3	9.090	5.420	351.1	2.482	11.310	13.470	18.530	2.154	7.215	80.80	8.14	0.719	893	0
04/21/2014 02:30	63048	15	111	0.379	35.2	4.366	2.974	35.2	4.366	5.761	344.3	4.658	11.130	16.130	19.070	5.003	7.938	82.20	8.23	0.781	893	0
04/21/2014 02:45	63049	15	111	0.668	57.0	4.919	2.551	57.0	4.919	4.947	342.5	3.509	11.680	15.050	19.300	3.371	7.625	77.54	7.89	0.581	893	0
04/21/2014 03:00	63050	15	111	0.350	66.4	6.829	2.165	66.4	6.829	4.474	336.8	2.809	11.290	15.260	19.810	3.974	8.520	80.40	8.04	0.679	893	0
04/21/2014 03:15	63051	15	111	0.747	45.5	13.710	1.919	45.5	13.710	4.338	324.3	5.106	11.180	16.630	19.680	5.451	8.500	78.78	7.64	0.593	893	0
04/21/2014 03:30	63052	15	111	0.810	10.0	7.572	1.770	10.0	7.572	3.901	316.4	3.360	10.910	17.670	20.000	6.754	9.090	80.70	7.73	0.592	893	0
04/21/2014 03:45	63053	15	111	1.111	2.5	6.948	2.835	2.5	6.948	4.466	327.4	4.102	10.940	17.840	19.040	6.896	8.100	80.40	7.70	0.759	893	0
04/21/2014 04:00	63054	15	111	0.791	10.4	10.860	1.918	10.4	10.860	4.178	320.6	2.539	10.950	16.760	18.520	5.814	7.570	79.19	7.49	0.614	894	0
04/21/2014 04:15	63055	15	111	0.608	29.3	9.000	1.286	29.3	9.000	3.548	327.4	5.024	10.350	15.880	17.850	5.523	7.491	83.30	7.66	0.542	894	0
04/21/2014 04:30	63056	15	111	1.066	28.3	5.962	1.616	28.3	5.962	3.821	331.8	6.993	10.130	16.310	17.470	6.181	7.343	83.90	7.54	0.481	894	0
04/21/2014 04:45	63057	15	111	1.398	41.1	4.238	2.356	41.1	4.238	3.626	1.8	9.100	10.550	15.890	17.630	5.342	7.084	80.10	7.26	0.584	894	0
04/21/2014 05:00	63058	15	111	0.755	36.4	5.342	2.165	36.4	5.342	3.788	1.0	9.060	10.800	14.480	18.000	3.680	7.198	77.06	6.95	0.654	894	0
04/21/2014 05:15	63059	15	111	0.883	62.5	44.960	1.442	62.5	44.960	3.358	354.8	1.964	10.470	13.640	17.860	3.167	7.389	77.84	6.78	1.322	894	0
04/21/2014 05:30	63060	15	111	1.254	130.3	32.780	1.419	130.3	32.780	2.272	359.9	10.170	10.030	14.220	16.830	4.186	6.799	80.70	6.87	7.866	894	0
04/21/2014 05:45	63061	15	111	0.868	100.4	18.440	1.302	100.4	18.440	1.657	27.2	8.280	10.380	15.210	16.590	4.832	6.214	80.60	7.19	38.580	894	0
04/21/2014 06:00	63062	15	111	0.408	84.3	19.830	0.455	84.3	19.830	1.452	357.7	19.360	10.940	14.430	16.410	3.484	5.472	83.20	8.22	80.600	895	0
04/21/2014 06:15	63063	15	111	0.355	324.5	81.100	0.366	324.5	81.100	2.118	326.9	6.749	12.660	14.550	16.770	1.886	4.114	76.61	8.66	135.700	895	0
04/21/2014 06:30	63064	15	111	0.228	252.5	17.120	0.285	252.5	17.120	1.697	330.9	5.091	14.170	14.860	16.260	0.690	2.088	70.39	8.86	195.200	895	0
04/21/2014 06:45	63065	15	111	0.574	268.7	20.580	0.690	268.7	20.580	1.619	322.5	13.260	15.620	15.650	15.950	0.034	0.334	58.29	7.45	255.100	895	0
04/21/2014 07:15	63067	15	111	1.094	284.1	16.790	1.253	284.1	16.790	1.203	291.0	15.840	16.840	16.600	16.410	-0.238	-0.435	51.57	6.82	374.000	895	0
04/21/2014 07:30	63068	15	111	1.582	314.2	20.260	1.793	314.2	20.260	1.575	313.6	12.580	17.460	17.230	16.900	-0.234	-0.555	50.28	7.02	431.300	895	0
04/21/2014 07:45	63069	15	111	1.787	343.9	15.340	2.161	343.9	15.340	2.125	332.3	14.750	17.850	17.490	17.070	-0.360	-0.783	50.22	7.37	488.800	896	0
04/21/2014 08:00	63070	15	111	1.932	349.9	15.830	2.493	349.9	15.830	2.831	345.1	13.650	18.740	18.190	17.600	-0.549	-1.136	49.18	7.88	543.500	896	0
04/21/2014 08:15	63071	15	111	2.745	356.8	12.130	3.561	356.8	12.130	3.706	349.0	10.080	19.650	18.750	18.130	-0.900	-1.517	46.75	7.97	596.700	896	0
04/21/2014 08:30	63072	15	111	2.959	8.9	15.980	3.925	8.9	15.980	4.184	357.7	11.970	20.650	19.690	18.930	-0.960	-1.721	44.37	8.10	647.800	896	0
04/21/2014 08:45	63073	15	111	2.698	5.6	16.390	3.452	5.6	16.390	3.802	356.4	11.730	21.490	20.520	19.850	-0.970	-1.639	41.86	8.00	696.300	896	0
04/21/2014 09:00	63074	15	111	2.771	14.9	15.940	3.459	14.9	15.940	3.696	2.4	14.680	22.550	21.630	20.940	-0.919	-1.612	36.95	7.13	742.900	896	0
04/21/2014 09:15	63075	15	111	2.469	355.3	22.200	3.050	355.3	22.200	3.288	346.2	14.020	23.330	22.460	21.660	-0.873	-1.669	33.44	6.36	786.000	896	0
04/21/2014 09:30	63076	15	111	2.613	346.0	20.870	3.200	346.0	20.870	3.704	341.0	14.530	24.030	23.050	22.330	-0.979	-1.692	31.02	5.88	825.000	896	0
04/21/2014 09:45	63077	15	111	2.433	359.3	35.650	2.982	359.3	35.650	3.223	348.9	27.460	24.550	23.540	22.810	-1.006	-1.739	29.79	5.75	862.000	896	0
04/21/2014 10:00	63078	15	111	2.356	3.1	25.580	3.025	3.1	25.580	3.317	356.3	19.420	24.880	23.910	23.100	-0.968	-1.779	28.94	5.61	896.000	896	0
04/21/2014 10:15	63079	15	111	2.084	3.2	52.190	2.098	3.2	52.190	2.274	6.7	44.250	24.790	24.060	23.420	-0.739	-1.377	28.41	5.28	925.000	896	0
04/21/2014 10:30	63080	15	111	1.696	44.6	60.980	2.094	44.6	60.980	2.208	28.8	56.500	25.500	24.820	24.080	-0.686	-1.419	26.34	4.79	953.000	896	0
04/21/2014 10:45	63081	15	111	2.368	57.8	47.430	2.874	57.8	47.430	3.212	40.1	47.620	26.540	25.420	24.750	-1.119	-1.793	24.45	4.61	975.000	896	0
04/21/2014 11:00	63082	15	111	2.563	48.5	58.780	3.140	48.5	58.780	3.422	27.5	53.020	26.710	25.690	24.780	-1.020	-1.937	24.29	4.66	991.000	896	0
04/21/2014 11:15	63083	15	111	2.236	67.1	46.560	2.816	67.1	46.560	2.917	55.7	32.270	26.520	25.410	24.650	-1.116	-1.876	24.59	4.67	1007.000	895	0
04/21/2014 11:30	63084	15	111	1.994	78.3	59.210	2.586	78.3	59.210	2.667	68.2	46.950	27.090	26.150	25.380	-0.940	-1.711	23.40	4.44	1022.000	895	0
04/21/2014 11:45	63085	15	111	2.635	354.3	38.260	3.181	354.3	38.260	3.259	346.0	31.070	27.240	26.080	25.320	-1.166	-1.924	21.91	3.63	1026.000	895	0
04/21/2014 12:00	63086	15	111	2.157	358.1	41.710	2.376	358.1	41.710	2.804	344.9	46.190	27.210	26.280	25.600	-0.932	-1.606	22.24	3.82	1033.000	895	0
04/21/2014 12:15	63087	15	111	1.873	329.3	67.720	2.157	329.3	67.720	1.846	346.6	60.480	27.500	26.480	25.870	-1.026	-1.638	21.15	3.35	1033.000	895	0
04/21/2014 12:30	63088	15	111	2.604	25.0	41.210	3.376	25.0	41.210	3.875	16.4	27.320	28.440	27.160	26.190	-1.278	-2.249	20.53	3.70	1030.000	895	0
04/21/2014 12:45	63089	15	111	2.179	359.4	56.510	2.660	359.4	56.510	2.872	359.0	37.810	27.890	26.950	26.220	-0.941	-1.673	20.75	3.40	1027.000	895	0
04/21/2014 13:00	63090	15	111	2.989	39.3	20.880	3.764	39.3	20.880	3.847	31.9	15.830	28.390	27.050	26.080	-1.343	-2.313	20.11	3.37	978.000	895	0
04/21/2014 13:15	63091	15	111	1.576	307.6	72.090	1.797	307.6	72.090	1.458	302.3	69.340	27.770	27.040	26.490	-0.731	-1.279	20.64	3.22	993.000	894	0
04/21/2014 13:30	63092	15	111	1.599	309.2	55.530	1.908	309.2	55.530	2.133	306.7	64.180	28.660	27.920	27.090	-0.737	-1.571	20.04	3.54	980.000	894	0
04/21/2014 13:45	63093	15	111	2.155	343.8	34.720	2.629	343.8	34.720	2.974	347.9	42.940	28.570	27.630	26.720	-0.939	-1.849	19.29	2.92	967.000	894	0
04/21/2014 14:00	63094	15	111	2.946	27.5	26.130	3.993	27.5	26.130	4.489	18.1	26.520	29.190	27.860	26.950	-1.334	-2.243	19.79	3.80	952.000	894	0
04/21/2014 14:15	63095	15	111	2.217	21.2	38.800	2.776	21.2	38.800	2.988	19.3	31.540	28.740	27.750	26.950	-0.987	-1.793	19.77	3.42	758.700	894	0
04/21/2014 14:30	63096	15	111	2.308	352.7	22.900	2.821	352.7	22.900	3.343	350.0	15.160	28.810	27.800	26.970	-1.011	-1.837	19.82	3.51	865.000	894	0
04/21/2014 14:45	63097	15	111	2.733	55.4	29.010	3.410	55.4	29.010	3.923	44.2	23.450	29.190	28.110	27.260	-1.079	-1.927	19.10	3.30	820.000	893	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/21/2014 15:00	63098	15	111	2.706	64.8	42.920	3.340	64.8	42.920	3.827	46.2	31.050	29.250	28.250	27.410	-1.008	-1.843	18.75	3.08	780.500	893	0
04/21/2014 15:15	63099	15	111	2.894	46.8	20.520	3.754	46.8	20.520	3.925	35.1	16.090	29.380	28.240	27.400	-1.145	-1.979	17.73	2.40	734.300	893	0
04/21/2014 15:30	63100	15	111	1.896	54.3	48.180	2.304	54.3	48.180	2.461	46.7	42.720	28.940	28.120	27.390	-0.820	-1.550	17.29	1.68	666.900	893	0
04/21/2014 15:45	63101	15	111	1.869	59.7	61.570	2.289	59.7	61.570	2.665	43.2	58.930	29.190	28.340	27.570	-0.847	-1.619	17.22	1.84	663.400	893	0
04/21/2014 16:00	63102	15	111	2.840	35.3	17.160	3.696	35.3	17.160	4.293	26.3	13.860	29.330	28.380	27.640	-0.945	-1.691	16.60	1.43	496.000	893	0
04/21/2014 16:15	63103	15	111	2.271	35.4	25.880	2.874	35.4	25.880	3.044	21.8	22.510	28.930	28.150	27.520	-0.777	-1.405	16.81	1.29	464.600	893	0
04/21/2014 16:30	63104	15	111	1.449	71.0	41.390	1.829	71.0	41.390	2.156	58.7	30.160	28.870	28.210	27.550	-0.662	-1.318	17.20	1.56	461.700	893	0
04/21/2014 16:45	63105	15	111	2.106	25.8	34.410	2.700	25.8	34.410	2.872	11.3	25.270	29.110	28.420	27.750	-0.691	-1.362	16.15	0.88	385.400	893	0
04/21/2014 17:00	63106	15	111	2.490	37.9	21.030	3.415	37.9	21.030	3.958	26.3	17.120	28.950	28.390	27.780	-0.563	-1.170	16.25	0.84	319.800	893	0
04/21/2014 17:15	63107	15	111	2.452	30.5	18.170	3.240	30.5	18.170	3.805	23.2	16.550	28.830	28.370	27.710	-0.461	-1.117	16.23	0.72	254.900	893	0
04/21/2014 17:30	63108	15	111	2.619	19.0	17.300	3.582	19.0	17.300	4.055	15.8	17.830	28.510	28.160	27.600	-0.351	-0.913	16.61	0.79	197.900	893	0
04/21/2014 17:45	63109	15	111	2.002	16.1	12.190	2.828	16.1	12.190	3.330	6.4	10.700	28.130	28.040	27.570	-0.096	-0.562	16.57	0.45	116.900	893	0
04/21/2014 18:00	63110	15	111	1.408	14.2	8.930	2.207	14.2	8.930	2.585	10.7	10.070	27.380	27.900	27.560	0.521	0.176	17.51	0.60	55.550	893	0
04/21/2014 18:15	63111	15	111	1.636	41.4	5.439	2.940	41.4	5.439	3.917	35.7	8.190	26.490	27.210	27.310	0.719	0.817	20.28	1.89	33.940	893	0
04/21/2014 18:30	63112	15	111	1.108	54.3	4.688	2.509	54.3	4.688	4.417	45.6	3.960	24.850	26.180	27.080	1.335	2.231	25.36	3.67	10.320	893	0
04/21/2014 18:45	63113	15	111	0.913	52.1	4.482	2.741	52.1	4.482	4.882	42.9	2.065	23.010	25.580	26.940	2.576	3.937	31.49	5.20	1.293	893	0
04/21/2014 19:00	63114	15	111	1.569	56.7	5.009	3.881	56.7	5.009	6.421	45.8	3.263	21.980	24.720	26.760	2.741	4.779	35.62	6.07	0.581	894	0
04/21/2014 19:15	63115	15	111	2.506	65.9	7.831	4.555	65.9	7.831	8.070	56.3	5.753	23.270	24.210	25.600	0.936	2.330	29.37	4.43	0.930	894	0
04/21/2014 19:30	63116	15	111	2.713	78.8	6.221	4.449	78.8	6.221	8.150	66.6	3.398	23.230	23.870	25.110	0.642	1.887	28.53	3.99	0.995	894	0
04/21/2014 19:45	63117	15	111	2.387	84.3	4.395	4.308	84.3	4.395	7.741	73.9	3.307	22.620	23.510	25.360	0.894	2.740	29.82	4.10	0.901	894	0
04/21/2014 20:00	63118	15	111	2.180	83.9	3.383	4.188	83.9	3.383	7.630	78.4	3.183	21.790	23.010	24.680	1.219	2.894	32.37	4.54	0.761	894	0
04/21/2014 20:15	63119	15	111	2.450	82.3	4.763	4.419	82.3	4.763	8.140	77.8	2.582	21.760	22.840	24.380	1.081	2.617	33.15	4.87	0.961	894	0
04/21/2014 20:30	63120	15	111	2.730	88.1	6.617	4.466	88.1	6.617	8.070	80.9	3.068	22.370	23.120	24.220	0.750	1.849	31.84	4.82	1.066	895	0
04/21/2014 20:45	63121	15	111	3.294	96.2	6.589	5.010	96.2	6.589	8.650	86.6	3.381	22.650	23.170	24.020	0.519	1.374	30.99	4.67	1.054	895	0
04/21/2014 21:00	63122	15	111	3.333	101.1	6.350	5.265	101.1	6.350	9.110	91.6	2.636	22.570	23.040	24.030	0.472	1.466	30.87	4.55	1.141	895	0
04/21/2014 21:15	63123	15	111	3.746	102.0	6.634	5.582	102.0	6.634	9.770	93.3	2.393	22.130	22.500	23.500	0.372	1.366	32.00	4.68	1.058	895	0
04/21/2014 21:30	63124	15	111	3.434	96.8	6.521	5.282	96.8	6.521	9.800	90.6	1.408	21.330	21.720	23.240	0.395	1.912	34.16	4.91	0.942	895	0
04/21/2014 21:45	63125	15	111	3.630	96.5	7.248	5.523	96.5	7.248	10.060	89.0	3.896	21.000	21.410	22.670	0.411	1.672	35.34	5.11	1.088	895	0
04/21/2014 22:00	63126	15	111	5.657	99.3	7.035	8.080	99.3	7.035	11.120	89.3	4.332	21.290	21.480	21.520	0.192	0.229	35.89	5.59	1.434	895	0
04/21/2014 22:15	63127	15	111	5.505	102.8	7.196	7.774	102.8	7.196	10.870	92.9	4.323	20.870	21.040	21.030	0.168	0.164	38.99	6.41	1.202	895	0
04/21/2014 22:30	63128	15	111	5.203	103.2	7.170	7.217	103.2	7.170	10.370	93.6	4.191	20.530	20.700	20.710	0.169	0.178	41.56	7.04	1.092	895	0
04/21/2014 22:45	63129	15	111	5.124	104.2	7.110	7.263	104.2	7.110	10.460	93.7	4.398	20.260	20.430	20.440	0.176	0.188	43.32	7.40	1.146	895	0
04/21/2014 23:00	63130	15	111	4.893	110.8	7.803	7.084	110.8	7.803	10.220	99.9	4.150	19.910	20.090	20.130	0.175	0.222	45.10	7.68	1.120	895	0
04/21/2014 23:15	63131	15	111	5.017	111.4	7.026	7.102	111.4	7.026	10.310	100.2	4.393	19.680	19.840	19.890	0.166	0.217	46.38	7.87	1.075	895	0
04/21/2014 23:30	63132	15	111	5.006	108.1	7.046	7.175	108.1	7.046	10.700	97.7	3.925	19.420	19.590	19.650	0.169	0.234	47.67	8.04	1.048	895	0
04/21/2014 23:45	63133	15	111	5.607	107.6	7.334	7.732	107.6	7.334	11.070	98.1	4.197	19.340	19.480	19.490	0.131	0.147	48.28	8.16	1.196	895	0
04/22/2014 00:00	63134	15	112	6.001	109.8	7.336	8.210	109.8	7.336	11.560	99.7	4.259	19.220	19.340	19.350	0.125	0.131	48.88	8.22	1.283	895	0
04/22/2014 00:15	63135	15	112	5.598	112.0	7.473	7.922	112.0	7.473	11.570	101.2	4.111	18.950	19.090	19.130	0.134	0.178	49.88	8.28	1.171	895	0
04/22/2014 00:30	63136	15	112	5.482	113.7	7.030	7.987	113.7	7.030	11.540	103.1	3.892	18.730	18.880	18.920	0.151	0.197	50.76	8.33	1.165	895	0
04/22/2014 00:45	63137	15	112	5.645	117.7	7.436	7.918	117.7	7.436	11.040	105.3	4.832	18.510	18.640	18.610	0.130	0.101	51.58	8.37	1.209	895	0
04/22/2014 01:00	63138	15	112	5.474	125.2	7.446	8.010	125.2	7.446	11.510	113.1	4.294	18.150	18.290	18.250	0.136	0.098	53.01	8.44	1.126	896	0
04/22/2014 01:15	63139	15	112	5.547	129.4	7.416	7.873	129.4	7.416	10.940	116.1	4.678	17.960	18.080	18.000	0.118	0.044	54.31	8.62	1.058	896	0
04/22/2014 01:30	63140	15	112	5.601	129.0	7.301	7.954	129.0	7.301	10.990	116.8	4.156	17.810	17.940	17.860	0.131	0.053	55.92	8.91	1.068	895	0
04/22/2014 01:45	63141	15	112	5.310	131.5	7.551	7.649	131.5	7.551	10.370	118.3	4.609	17.600	17.750	17.650	0.145	0.049	57.48	9.12	1.085	896	0
04/22/2014 02:00	63142	15	112	5.201	133.9	7.002	7.457	133.9	7.002	10.460	120.5	4.275	17.380	17.530	17.480	0.148	0.099	58.82	9.26	1.050	896	0
04/22/2014 02:15	63143	15	112	5.224	131.9	7.156	7.643	131.9	7.156	10.670	120.0	4.498	17.230	17.380	17.360	0.151	0.129	60.09	9.44	1.047	896	0
04/22/2014 02:30	63144	15	112	5.156	133.7	6.863	7.600	133.7	6.863	10.660	121.1	4.168	17.130	17.290	17.270	0.155	0.143	61.17	9.61	1.085	896	0
04/22/2014 02:45	63145	15	112	4.783	135.0	7.078	7.070	135.0	7.078	10.110	123.0	3.966	16.950	17.140	17.160	0.186	0.204	62.53	9.76	1.025	896	0
04/22/2014 03:00	63146	15	112	4.840	130.9	6.313	7.016	130.9	6.313	10.150	119.0	3.449	16.760	16.940	17.000	0.179	0.243	63.62	9.84	1.101	896	0
04/22/2014 03:15	63147	15	112	4.821	129.6	7.825	7.008	129.6	7.825	10.600	118.4	4.220	16.490	16.660	16.830	0.173	0.349	64.83	9.86	1.220	895	0
04/22/2014 03:30	63148	15	112	3.843	134.3	9.940	5.631	134.3	9.940	9.160	118.9	4.850	16.150	16.320	16.500	0.168	0.346	66.21	9.86	0.955	896	0
04/22/2014 03:45	63149	15	112	1.542	182.7	51.530	2.245	182.7	51.530	4.011	139.4	26.810	15.810	16.090	16.070	0.280	0.263	67.40	9.80	0.536	896	0
04/22/2014 04:00	63150	15	112	0.923	178.7	62.180	1.305	178.7	62.180	2.284	142.4	28.110	15.460	16.010	15.890	0.550	0.424	68.72	9.75	0.428	896	0
04/22/2014 04:15	63151	15	112	0.747	127.2	10.730	1.505	127.2	10.730	3.114	117.7	6.947	14.890	15.770	15.890	0.882	1.000	70.26	9.53	0.415	896	0
04/22/2014 04:30	63152	15	112	0.639	117.1	11.170	1.319	117.1	11.170	3.367	118.4	5.788	14.190	15.750	15.930	1.554	1.734	72.37	9.30	0.416	896	0
04/22/2014 04:45	63153	15	112	1.065	108.0	10.220	2.032	108.0	10.220	4.247	113.7	5.690	13.590	15.650	16.190	2.063	2.598	74.56	9.17	0.557	896	0
04/22/2014 05:00	63154	15	112	1.230	126.5	5.884	2.845	126.5	5.884	5.114	122.1	3.880	13.170	15.500	16.440	2.333	3.271	75.69	8.98	0.657	897	0
04/22/2014 05:15	63155	15	112	1.357	119.7	3.101	3.335	119.7	3.101	6.049	119.9	2.456	12.870	14.860	16.590	1.992	3.726	77.42	9.03	1.359	897	0
04/22/2014 05:30	63156	15	112	1.018	128.1	62.490	2.006	128.1	62.490	4.685	130.3	30.620	12.520	14.070	15.800	1.548	3.283	78.41	8.88	8.090	897	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/22/2014 05:45	63157	15	112	1.032	188.3	52.390	1.794	188.3	52.390	3.163	149.1	36.560	13.090	14.050	14.690	0.962	1.601	77.90	9.32	33.510	897	0
04/22/2014 06:00	63158	15	112	1.100	134.4	12.620	2.509	134.4	12.620	4.807	123.0	4.207	13.280	14.150	15.370	0.874	2.092	77.30	9.40	75.500	897	0
04/22/2014 06:15	63159	15	112	1.715	107.1	8.930	2.807	107.1	8.930	5.886	112.3	2.822	14.610	14.690	15.650	0.081	1.042	72.37	9.70	129.500	897	0
04/22/2014 06:30	63160	15	112	3.067	123.2	11.500	4.343	123.2	11.500	6.515	119.2	5.922	16.540	16.370	16.380	-0.165	-0.154	61.17	9.04	186.800	897	0
04/22/2014 06:45	63161	15	112	4.052	132.1	7.915	5.562	132.1	7.915	7.184	122.1	5.190	17.420	17.100	16.700	-0.323	-0.715	56.14	8.60	246.200	897	0
04/22/2014 07:00	63162	15	112	4.127	127.7	8.450	5.740	127.7	8.450	6.774	119.0	6.417	18.390	17.940	17.380	-0.447	-1.012	53.10	8.68	307.100	897	0
04/22/2014 07:15	63163	15	112	4.171	138.5	12.050	5.693	138.5	12.050	6.569	129.1	9.630	19.280	18.680	18.100	-0.601	-1.180	50.83	8.86	365.100	897	0
04/22/2014 07:30	63164	15	112	4.122	149.8	9.640	5.757	149.8	9.640	6.665	137.3	5.919	19.950	19.150	18.400	-0.795	-1.547	52.09	9.84	422.300	897	0
04/22/2014 07:45	63165	15	112	4.497	154.6	9.330	6.110	154.6	9.330	6.808	143.4	5.796	20.260	19.370	18.660	-0.890	-1.597	54.66	10.85	479.500	897	0
04/22/2014 08:00	63166	15	112	4.110	160.7	14.030	5.385	160.7	14.030	6.263	148.5	11.560	20.870	19.900	18.960	-0.974	-1.910	55.45	11.64	532.900	897	0
04/22/2014 08:15	63167	15	112	4.217	159.6	13.530	5.489	159.6	13.530	6.092	149.1	10.270	21.040	19.860	19.020	-1.178	-2.021	57.45	12.34	586.400	897	0
04/22/2014 08:30	63168	15	112	3.887	159.4	15.410	5.039	159.4	15.410	5.764	147.8	13.460	21.540	20.340	19.470	-1.196	-2.062	56.27	12.48	637.500	897	0
04/22/2014 08:45	63169	15	112	3.974	152.3	14.230	5.215	152.3	14.230	5.811	143.1	12.380	22.070	20.750	19.880	-1.322	-2.199	53.24	12.14	686.300	897	0
04/22/2014 09:00	63170	15	112	4.009	164.5	15.360	5.080	164.5	15.360	5.661	152.5	10.790	22.510	21.220	20.290	-1.292	-2.222	51.96	12.17	731.200	897	0
04/22/2014 09:15	63171	15	112	4.338	171.7	11.680	5.562	171.7	11.680	6.332	159.4	9.260	23.100	21.580	20.610	-1.515	-2.487	50.26	12.21	775.300	896	0
04/22/2014 09:30	63172	15	112	4.197	175.4	12.860	5.298	175.4	12.860	6.089	163.0	12.450	23.570	22.090	21.050	-1.478	-2.518	48.73	12.17	814.000	896	0
04/22/2014 09:45	63173	15	112	4.818	167.5	18.220	6.361	167.5	18.220	7.012	157.0	13.910	23.990	22.400	21.410	-1.593	-2.579	47.52	12.17	851.000	896	0
04/22/2014 10:00	63174	15	112	5.293	183.1	9.280	6.763	183.1	9.280	7.290	172.3	6.968	24.070	22.450	21.550	-1.623	-2.525	45.60	11.62	885.000	896	0
04/22/2014 10:15	63175	15	112	4.572	170.5	14.650	5.876	170.5	14.650	6.551	156.4	12.460	24.560	22.910	21.930	-1.649	-2.637	45.25	11.95	917.000	895	0
04/22/2014 10:30	63176	15	112	4.742	154.8	16.620	6.244	154.8	16.620	7.149	144.5	14.280	25.200	23.420	22.420	-1.783	-2.786	43.72	12.01	943.000	895	0
04/22/2014 10:45	63177	15	112	4.435	161.7	17.170	5.850	161.7	17.170	6.493	149.5	15.010	25.960	24.060	22.880	-1.895	-3.074	41.35	11.84	967.000	895	0
04/22/2014 11:00	63178	15	112	4.935	163.0	14.820	6.418	163.0	14.820	7.232	151.8	12.410	26.160	24.360	23.300	-1.804	-2.865	40.51	11.71	982.000	895	0
04/22/2014 11:15	63179	15	112	4.875	169.5	24.130	6.277	169.5	24.130	6.762	157.7	21.020	26.400	24.490	23.590	-1.912	-2.819	40.09	11.77	985.000	895	0
04/22/2014 11:30	63180	15	112	4.883	179.9	17.840	6.319	179.9	17.840	7.069	168.5	15.630	26.890	25.020	23.770	-1.877	-3.121	38.21	11.48	1010.000	894	0
04/22/2014 11:45	63181	15	112	4.899	166.2	12.940	6.228	166.2	12.940	7.078	155.8	12.280	27.080	25.250	24.070	-1.822	-3.000	37.15	11.21	1028.000	894	0
04/22/2014 12:00	63182	15	112	5.201	162.9	16.410	6.880	162.9	16.410	7.743	152.8	13.780	27.360	25.370	24.300	-1.995	-3.060	36.18	11.07	1024.000	894	0
04/22/2014 12:15	63183	15	112	5.133	169.1	12.590	6.708	169.1	12.590	7.610	158.3	11.510	27.690	25.820	24.630	-1.866	-3.061	34.82	10.78	1030.000	893	0
04/22/2014 12:30	63184	15	112	5.406	175.2	17.310	6.967	175.2	17.310	7.952	163.9	15.910	27.880	25.990	24.980	-1.882	-2.895	34.11	10.64	1029.000	893	0
04/22/2014 12:45	63185	15	112	4.895	171.0	12.470	6.570	171.0	12.470	7.375	162.4	12.710	28.470	26.430	25.400	-2.035	-3.074	32.62	10.48	1021.000	893	0
04/22/2014 13:00	63186	15	112	5.593	170.7	13.420	7.287	170.7	13.420	8.150	161.9	11.150	28.290	26.510	25.460	-1.788	-2.835	31.70	9.90	944.000	893	0
04/22/2014 13:15	63187	15	112	4.928	180.5	17.440	6.401	180.5	17.440	7.444	170.8	15.290	28.910	27.070	25.980	-1.843	-2.936	29.99	9.61	1014.000	892	0
04/22/2014 13:30	63188	15	112	5.123	181.6	17.180	6.667	181.6	17.180	7.602	172.8	16.250	29.310	27.330	26.210	-1.979	-3.100	28.17	9.02	1020.000	892	0
04/22/2014 13:45	63189	15	112	4.967	173.4	14.550	6.618	173.4	14.550	7.481	161.9	13.340	28.930	27.290	26.230	-1.635	-2.699	28.03	8.62	737.800	892	0
04/22/2014 14:00	63190	15	112	5.607	193.3	15.250	7.138	193.3	15.250	7.651	183.1	10.910	29.360	27.660	26.530	-1.697	-2.834	26.50	8.16	988.000	891	0
04/22/2014 14:15	63191	15	112	5.580	171.5	15.530	7.504	171.5	15.530	8.440	162.0	12.420	28.740	27.400	26.460	-1.338	-2.285	26.96	7.89	600.700	891	0
04/22/2014 14:30	63192	15	112	4.979	170.0	10.770	6.731	170.0	10.770	7.675	161.1	8.950	28.840	27.490	26.520	-1.352	-2.321	26.83	7.91	586.800	891	0
04/22/2014 14:45	63193	15	112	5.108	179.4	12.580	6.476	179.4	12.580	7.212	167.6	11.610	29.300	27.860	26.860	-1.436	-2.436	24.68	7.05	780.000	891	0
04/22/2014 15:00	63194	15	112	5.587	174.7	10.330	7.438	174.7	10.330	8.350	162.6	7.948	29.730	28.090	27.060	-1.643	-2.674	23.11	6.47	816.000	890	0
04/22/2014 15:15	63195	15	112	5.755	174.7	18.960	7.698	174.7	18.960	8.990	161.8	15.930	29.940	28.360	27.230	-1.584	-2.718	22.67	6.37	781.000	890	0
04/22/2014 15:30	63196	15	112	5.318	166.1	16.570	7.116	166.1	16.570	7.909	153.4	13.810	29.810	28.300	27.320	-1.510	-2.487	22.17	5.93	724.600	890	0
04/22/2014 15:45	63197	15	112	5.523	183.0	19.040	7.302	183.0	19.040	8.210	172.0	16.310	29.570	28.310	27.430	-1.260	-2.145	20.69	4.72	581.000	889	0
04/22/2014 16:00	63198	15	112	5.443	179.3	13.760	7.237	179.3	13.760	8.260	167.4	12.030	29.770	28.550	27.570	-1.218	-2.194	20.43	4.73	568.800	889	0
04/22/2014 16:15	63199	15	112	5.479	169.4	12.150	7.258	169.4	12.150	8.270	160.1	10.010	29.500	28.440	27.580	-1.061	-1.917	20.70	4.69	499.400	889	0
04/22/2014 16:30	63200	15	112	5.035	170.9	10.680	6.825	170.9	10.680	7.987	160.6	8.940	29.040	28.300	27.540	-0.742	-1.504	20.38	4.09	301.200	889	0
04/22/2014 16:45	63201	15	112	5.098	166.2	8.500	6.940	166.2	8.500	8.350	155.3	7.010	28.860	28.120	27.350	-0.738	-1.502	21.12	4.45	381.400	889	0
04/22/2014 17:00	63202	15	112	5.847	176.1	11.360	7.982	176.1	11.360	9.110	163.0	8.940	29.090	28.320	27.550	-0.772	-1.545	21.19	4.70	355.600	889	0
04/22/2014 17:15	63203	15	112	5.724	161.1	11.440	8.220	161.1	11.440	9.700	151.8	10.060	28.730	28.140	27.430	-0.588	-1.292	21.25	4.43	269.500	889	0
04/22/2014 17:30	63204	15	112	5.755	154.0	10.300	8.080	154.0	10.300	9.860	144.5	7.356	28.250	27.870	27.250	-0.379	-1.000	22.67	4.96	198.300	888	0
04/22/2014 17:45	63205	15	112	5.666	159.9	9.320	8.070	159.9	9.320	10.100	148.2	7.019	27.860	27.640	27.120	-0.225	-0.743	23.71	5.28	136.100	888	0
04/22/2014 18:00	63206	15	112	6.804	166.4	9.230	9.500	166.4	9.230	11.940	156.0	6.658	27.040	26.940	26.510	-0.105	-0.532	26.24	6.03	81.800	888	0
04/22/2014 18:15	63207	15	112	5.950	163.7	8.560	8.450	163.7	8.560	10.750	152.6	5.666	26.290	26.310	25.990	0.016	-0.303	28.59	6.66	40.570	888	0
04/22/2014 18:30	63208	15	112	5.170	159.7	7.890	7.522	159.7	7.890	9.840	148.4	5.550	25.700	25.840	25.640	0.143	-0.058	29.56	6.63	11.710	888	0
04/22/2014 18:45	63209	15	112	4.582	153.6	7.176	6.386	153.6	7.176	8.600	142.4	4.436	25.180	25.400	25.310	0.227	0.134	29.93	6.36	2.257	888	0
04/22/2014 19:00	63210	15	112	3.311	149.0	7.651	4.970	149.0	7.651	7.598	139.3	4.299	24.530	24.920	25.080	0.385	0.551	30.02	5.85	0.680	888	0
04/22/2014 19:15	63211	15	112	3.102	147.6	6.568	4.779	147.6	6.568	7.624	138.8	3.695	24.000	24.490	24.890	0.492	0.884	29.22	5.00	0.756	888	0
04/22/2014 19:30	63212	15	112	2.423	141.6	5.809	4.298	141.6	5.809	7.157	138.6	2.684	23.100	23.830	24.570	0.734	1.475	29.95	4.57	0.731	889	0
04/22/2014 19:45	63213	15	112	2.751	135.4	5.859	4.693	135.4	5.859	8.330	132.6	3.071	22.510	23.210	24.360	0.705	1.854	30.89	4.50	0.855	889	0
04/22/2014 20:00	63214	15	112	4.059	143.3	7.308	6.031	143.3	7.308	9.640	136.8	4.589	22.930	23.330	23.880	0.400	0.946	28.66	3.80	1.054	889	0
04/22/2014 20:15	63215	15	112	3.426	149.5	6.382	5.369	149.5	6.382	8.720	144.9	3.774	22.640	23.120	23.710	0.489	1.076	28.67	3.55	0.920	889	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/22/2014 20:30	63216	15	112	3.147	154.4	7.198	5.028	154.4	7.198	8.620	146.7	3.496	22.480	23.000	23.680	0.528	1.204	30.32	4.21	0.921	889	0
04/22/2014 20:45	63217	15	112	3.474	149.0	6.997	5.458	149.0	6.997	8.870	141.7	3.815	22.380	22.830	23.280	0.451	0.905	31.76	4.79	1.012	889	0
04/22/2014 21:00	63218	15	112	4.168	145.6	7.714	6.157	145.6	7.714	9.450	137.9	4.982	22.420	22.790	23.090	0.373	0.675	33.69	5.67	0.948	888	0
04/22/2014 21:15	63219	15	112	4.676	147.3	7.212	6.688	147.3	7.212	9.900	138.0	5.046	22.510	22.810	23.040	0.303	0.532	34.98	6.30	1.011	888	0
04/22/2014 21:30	63220	15	112	4.778	147.4	7.467	6.992	147.4	7.467	10.210	138.8	4.679	22.500	22.810	22.990	0.308	0.489	35.95	6.69	1.053	888	0
04/22/2014 21:45	63221	15	112	5.132	147.7	7.410	7.250	147.7	7.410	10.500	138.5	4.656	22.420	22.700	22.860	0.284	0.444	36.57	6.86	1.089	888	0
04/22/2014 22:00	63222	15	112	5.612	151.1	7.853	7.928	151.1	7.853	10.900	142.1	5.007	22.390	22.630	22.690	0.240	0.307	36.64	6.86	1.128	888	0
04/22/2014 22:15	63223	15	112	5.906	158.0	7.582	8.440	158.0	7.582	11.410	147.8	5.406	22.110	22.340	22.350	0.229	0.234	36.99	6.76	1.028	888	0
04/22/2014 22:30	63224	15	112	5.625	158.5	7.741	8.380	158.5	7.741	11.720	148.9	4.932	21.730	21.960	22.000	0.237	0.274	38.22	6.89	1.133	888	0
04/22/2014 22:45	63225	15	112	5.594	161.2	8.120	8.200	161.2	8.120	11.750	151.5	5.207	21.560	21.800	21.860	0.239	0.301	38.79	6.96	1.145	888	0
04/22/2014 23:00	63226	15	112	5.936	165.3	7.604	8.420	165.3	7.604	11.610	154.8	4.826	21.550	21.780	21.820	0.230	0.266	38.76	6.94	1.137	888	0
04/22/2014 23:15	63227	15	112	5.533	159.9	7.802	8.190	159.9	7.802	11.350	149.7	5.258	21.540	21.800	21.880	0.260	0.342	38.41	6.80	1.143	888	0
04/22/2014 23:30	63228	15	112	5.190	154.8	7.870	7.579	154.8	7.870	10.360	144.4	6.416	21.160	21.400	21.420	0.237	0.263	39.12	6.72	0.917	888	0
04/22/2014 23:45	63229	15	112	4.578	144.1	7.691	6.672	144.1	7.691	9.480	137.8	6.679	20.230	20.450	20.500	0.222	0.272	42.07	6.94	0.876	888	0
04/23/2014 00:00	63230	15	113	4.806	154.9	7.848	7.079	154.9	7.848	10.390	146.8	4.713	20.070	20.340	20.440	0.270	0.362	43.00	7.13	1.121	888	0
04/23/2014 00:15	63231	15	113	5.652	156.0	7.342	8.230	156.0	7.342	11.300	147.0	5.034	20.200	20.430	20.460	0.223	0.258	42.63	7.12	1.131	888	0
04/23/2014 00:30	63232	15	113	5.994	156.2	7.394	8.640	156.2	7.394	11.950	146.8	5.163	20.360	20.540	20.530	0.177	0.166	42.40	7.18	1.147	887	0
04/23/2014 00:45	63233	15	113	5.878	155.8	7.672	8.630	155.8	7.672	11.880	145.0	5.125	20.280	20.430	20.380	0.150	0.097	42.52	7.15	1.136	887	0
04/23/2014 01:00	63234	15	113	5.742	152.8	7.618	8.390	152.8	7.618	11.340	142.8	5.097	20.070	20.180	20.080	0.110	0.014	43.19	7.18	1.057	887	0
04/23/2014 01:15	63235	15	113	5.571	151.3	7.808	8.010	151.3	7.808	11.130	140.6	4.611	19.890	19.970	19.870	0.087	-0.020	43.69	7.19	1.010	887	0
04/23/2014 01:30	63236	15	113	4.891	151.4	7.261	7.233	151.4	7.261	10.060	142.4	4.964	19.580	19.660	19.540	0.085	-0.041	44.49	7.18	1.021	887	0
04/23/2014 01:45	63237	15	113	4.501	152.7	7.469	6.482	152.7	7.469	8.880	143.1	5.594	19.390	19.470	19.310	0.076	-0.083	45.33	7.28	0.924	887	0
04/23/2014 02:00	63238	15	113	4.073	161.3	7.808	5.918	161.3	7.808	8.010	151.5	5.959	19.320	19.380	19.180	0.057	-0.141	46.04	7.44	1.065	887	0
04/23/2014 02:15	63239	15	113	2.609	175.9	11.440	3.738	175.9	11.440	5.576	162.7	9.480	19.310	19.420	19.290	0.106	-0.024	47.04	7.75	0.769	887	0
04/23/2014 02:30	63240	15	113	3.905	164.2	8.490	5.719	164.2	8.490	7.945	155.3	7.452	19.800	19.920	19.770	0.118	-0.031	46.94	8.17	1.058	887	0
04/23/2014 02:45	63241	15	113	5.063	164.4	7.890	7.328	164.4	7.890	10.000	154.4	5.547	20.150	20.270	20.120	0.117	-0.029	46.76	8.43	1.199	887	0
04/23/2014 03:00	63242	15	113	5.527	160.9	7.659	7.784	160.9	7.659	10.470	151.5	5.142	20.100	20.230	20.120	0.130	0.015	47.52	8.62	1.020	887	0
04/23/2014 03:15	63243	15	113	5.428	159.1	7.714	7.820	159.1	7.714	10.470	150.4	5.090	19.990	20.110	19.990	0.120	-0.005	48.73	8.89	1.157	887	0
04/23/2014 03:30	63244	15	113	6.034	157.4	7.035	8.760	157.4	7.035	11.500	147.9	5.031	19.930	20.000	19.850	0.077	-0.081	49.46	9.05	1.306	886	0
04/23/2014 03:45	63245	15	113	6.240	157.7	7.061	9.080	157.7	7.061	12.130	147.2	4.471	19.820	19.860	19.690	0.044	-0.126	49.95	9.10	1.265	886	0
04/23/2014 04:00	63246	15	113	6.016	157.5	7.476	8.800	157.5	7.476	11.680	146.8	4.751	19.530	19.600	19.430	0.066	-0.096	50.79	9.08	1.170	886	0
04/23/2014 04:15	63247	15	113	6.156	157.5	6.621	9.040	157.5	6.621	11.920	147.2	4.497	19.250	19.340	19.220	0.088	-0.030	51.63	9.07	1.081	886	0
04/23/2014 04:30	63248	15	113	5.879	154.5	7.142	8.740	154.5	7.142	11.860	144.8	4.450	18.940	19.050	18.980	0.107	0.039	52.75	9.10	1.201	886	0
04/23/2014 04:45	63249	15	113	5.929	155.1	7.391	8.640	155.1	7.391	11.480	145.3	4.834	18.740	18.850	18.760	0.114	0.026	53.72	9.18	1.035	886	0
04/23/2014 05:00	63250	15	113	5.570	156.5	7.464	8.250	156.5	7.464	11.430	146.3	4.845	18.490	18.620	18.530	0.127	0.044	54.92	9.27	1.072	886	0
04/23/2014 05:15	63251	15	113	5.810	156.3	7.224	8.180	156.3	7.224	11.320	145.6	4.417	18.310	18.430	18.390	0.114	0.075	56.09	9.42	1.899	886	0
04/23/2014 05:30	63252	15	113	5.681	153.1	7.151	8.130	153.1	7.151	11.590	143.2	3.841	18.140	18.250	18.220	0.111	0.085	57.33	9.58	5.363	886	0
04/23/2014 05:45	63253	15	113	5.132	153.4	7.780	7.434	153.4	7.780	10.520	142.4	4.406	18.000	18.080	18.020	0.084	0.020	58.52	9.76	23.130	886	0
04/23/2014 06:00	63254	15	113	4.817	155.1	6.761	7.207	155.1	6.761	9.750	145.0	4.716	18.030	18.080	17.910	0.048	-0.122	59.15	9.95	54.430	887	0
04/23/2014 06:15	63255	15	113	5.195	157.6	7.134	7.365	157.6	7.134	9.650	146.4	5.149	18.230	18.170	17.900	-0.065	-0.332	59.03	10.11	100.400	887	0
04/23/2014 06:30	63256	15	113	4.735	164.8	7.654	6.504	164.8	7.654	8.340	152.3	5.592	18.690	18.480	18.080	-0.206	-0.610	57.81	10.23	155.700	887	0
04/23/2014 06:45	63257	15	113	5.158	167.0	7.437	7.128	167.0	7.437	8.670	156.3	5.692	19.050	18.780	18.340	-0.273	-0.710	56.61	10.25	186.700	887	0
04/23/2014 07:00	63258	15	113	4.864	171.3	7.456	6.425	171.3	7.456	7.615	160.8	5.855	19.610	19.200	18.650	-0.416	-0.963	54.92	10.32	249.400	887	0
04/23/2014 07:15	63259	15	113	5.093	175.0	7.911	6.807	175.0	7.911	7.912	165.2	5.812	20.330	19.790	19.170	-0.538	-1.157	52.52	10.32	306.300	887	0
04/23/2014 07:30	63260	15	113	5.102	177.5	8.090	6.726	177.5	8.090	7.748	166.8	6.949	21.230	20.550	19.860	-0.678	-1.372	49.59	10.29	377.000	887	0
04/23/2014 07:45	63261	15	113	4.285	183.2	9.080	5.820	183.2	9.080	6.672	171.5	6.979	21.950	21.280	20.600	-0.667	-1.346	47.04	10.15	331.900	887	0
04/23/2014 08:00	63262	15	113	4.271	189.3	9.540	5.622	189.3	9.540	6.492	178.6	7.546	22.540	21.800	21.040	-0.736	-1.499	44.86	9.98	385.100	887	0
04/23/2014 08:15	63263	15	113	4.498	197.2	11.410	5.920	197.2	11.410	6.761	186.3	8.260	23.240	22.260	21.430	-0.985	-1.810	42.85	9.93	521.400	887	0
04/23/2014 08:30	63264	15	113	4.540	202.4	12.380	5.989	202.4	12.380	6.775	194.0	9.100	23.650	22.730	21.920	-0.920	-1.734	40.74	9.55	456.800	887	0
04/23/2014 08:45	63265	15	113	4.600	219.0	10.940	5.885	219.0	10.940	6.511	208.0	8.060	24.200	23.320	22.550	-0.880	-1.654	38.50	9.20	527.700	887	0
04/23/2014 09:00	63266	15	113	4.030	224.4	16.280	5.278	224.4	16.280	6.320	215.5	13.280	25.000	24.090	23.210	-0.915	-1.793	34.10	8.10	476.600	887	0
04/23/2014 09:15	63267	15	113	4.006	242.4	12.750	5.062	242.4	12.750	5.861	230.0	9.780	25.170	24.280	23.510	-0.891	-1.662	29.91	6.34	577.800	887	0
04/23/2014 09:30	63268	15	113	4.022	258.2	11.390	5.309	258.2	11.390	5.900	248.6	9.850	25.590	24.530	23.780	-1.063	-1.813	26.62	5.01	591.100	887	0
04/23/2014 09:45	63269	15	113	4.109	256.1	11.980	5.292	256.1	11.980	6.216	246.6	11.350	25.920	24.860	24.040	-1.062	-1.873	25.37	4.60	658.300	887	0
04/23/2014 10:00	63270	15	113	3.934	271.0	17.730	5.431	271.0	17.730	6.396	261.6	14.880	26.260	25.240	24.430	-1.016	-1.830	21.51	2.42	650.400	887	0
04/23/2014 10:15	63271	15	113	4.316	273.5	13.540	6.198	273.5	13.540	7.239	261.2	13.250	26.950	25.670	24.730	-1.275	-2.219	17.69	0.39	751.600	887	0
04/23/2014 10:30	63272	15	113	5.063	265.3	13.580	6.994	265.3	13.580	8.110	256.5	10.840	26.880	25.620	24.640	-1.265	-2.240	18.70	1.11	788.400	887	0
04/23/2014 10:45	63273	15	113	5.555	260.7	10.840	7.312	260.7	10.840	8.360	252.4	8.950	26.990	25.590	24.630	-1.401	-2.355	19.43	1.73	850.000	886	0
04/23/2014 11:00	63274	15	113	4.777	266.5	14.540	6.399	266.5	14.540	7.339	256.2	12.920	28.030	26.400	25.370	-1.633	-2.659	14.83	-1.44	1023.000	886	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/23/2014 11:15	63275	15	113	5.484	259.3	12.140	7.383	259.3	12.140	8.720	251.1	7.748	28.260	26.890	25.810	-1.373	-2.452	11.30	-4.64	764.200	886	0
04/23/2014 11:30	63276	15	113	5.439	270.1	12.400	7.551	270.1	12.400	8.710	261.9	8.740	28.030	26.880	25.920	-1.151	-2.110	11.08	-5.08	645.400	886	0
04/23/2014 11:45	63277	15	113	4.745	268.9	16.050	6.597	268.9	16.050	7.580	258.9	11.280	28.140	26.960	26.050	-1.181	-2.091	11.27	-4.77	626.400	886	0
04/23/2014 12:00	63278	15	113	4.680	260.4	10.680	6.201	260.4	10.680	7.005	251.6	10.250	28.380	27.160	26.320	-1.217	-2.059	11.08	-4.80	759.900	886	0
04/23/2014 12:15	63279	15	113	4.833	263.6	13.760	6.486	263.6	13.760	7.664	254.0	10.640	28.730	27.410	26.470	-1.320	-2.260	10.36	-5.43	840.000	885	0
04/23/2014 12:30	63280	15	113	5.192	260.9	14.810	6.884	260.9	14.810	8.020	250.8	12.060	28.990	27.650	26.690	-1.338	-2.298	9.31	-6.64	857.000	885	0
04/23/2014 12:45	63281	15	113	5.293	251.2	22.600	6.954	251.2	22.600	7.993	240.9	20.310	29.810	28.220	27.170	-1.592	-2.647	8.60	-7.06	1074.000	885	0
04/23/2014 13:00	63282	15	113	5.361	241.4	14.970	6.724	241.4	14.970	7.503	231.7	11.650	30.170	28.580	27.610	-1.590	-2.554	7.95	-7.82	1052.000	884	0
04/23/2014 13:15	63283	15	113	4.968	243.8	19.040	6.485	243.8	19.040	7.850	237.2	14.920	30.260	28.810	27.770	-1.452	-2.487	7.68	-8.18	924.000	884	0
04/23/2014 13:30	63284	15	113	4.856	246.2	14.930	6.187	246.2	14.930	7.199	233.1	12.450	30.670	29.250	28.190	-1.425	-2.478	7.70	-7.86	1037.000	884	0
04/23/2014 13:45	63285	15	113	5.141	236.2	17.410	6.740	236.2	17.410	7.659	228.9	18.150	30.380	29.100	28.190	-1.279	-2.192	7.88	-7.77	694.100	884	0
04/23/2014 14:00	63286	15	113	6.034	248.2	16.530	7.906	248.2	16.530	8.960	237.3	13.610	30.370	29.150	28.180	-1.220	-2.188	8.33	-7.05	783.300	884	0
04/23/2014 14:15	63287	15	113	6.135	240.2	14.810	7.824	240.2	14.810	9.560	229.9	12.030	30.800	29.670	28.600	-1.123	-2.199	7.48	-8.19	733.200	883	0
04/23/2014 14:30	63288	15	113	7.066	246.9	11.760	9.300	246.9	11.760	11.180	236.9	9.510	30.430	29.460	28.560	-0.962	-1.868	6.56	-10.11	679.300	883	0
04/23/2014 14:45	63289	15	113	6.791	249.5	13.220	9.220	249.5	13.220	10.680	237.1	11.060	30.500	29.530	28.720	-0.975	-1.788	6.81	-9.57	633.200	883	0
04/23/2014 15:00	63290	15	113	7.304	256.1	10.310	9.800	256.1	10.310	11.710	246.8	8.600	30.280	29.450	28.610	-0.829	-1.670	7.01	-9.39	559.700	883	0
04/23/2014 15:15	63291	15	113	7.096	257.5	12.290	9.650	257.5	12.290	11.830	246.7	10.570	30.600	29.610	28.660	-0.990	-1.945	7.08	-9.01	696.800	882	0
04/23/2014 15:30	63292	15	113	7.391	256.6	10.430	10.160	256.6	10.430	11.990	245.0	8.910	30.300	29.420	28.570	-0.882	-1.728	7.14	-9.14	544.000	882	0
04/23/2014 15:45	63293	15	113	6.719	251.4	14.110	8.990	251.4	14.110	10.880	239.9	11.060	30.080	29.320	28.530	-0.761	-1.544	6.87	-9.77	522.700	882	0
04/23/2014 16:00	63294	15	113	6.952	249.6	12.660	9.400	249.6	12.660	11.450	237.8	10.310	30.400	29.550	28.690	-0.850	-1.705	6.89	-9.51	576.700	882	0
04/23/2014 16:15	63295	15	113	6.968	258.6	9.910	9.380	258.6	9.910	11.210	247.7	9.550	30.300	29.520	28.680	-0.780	-1.620	7.03	-9.31	569.100	882	0
04/23/2014 16:30	63296	15	113	8.080	249.0	10.360	10.680	249.0	10.360	13.060	236.5	7.328	30.090	29.430	28.670	-0.658	-1.419	6.95	-9.63	478.500	882	0
04/23/2014 16:45	63297	15	113	6.798	241.3	11.270	9.010	241.3	11.270	11.530	230.4	8.560	30.220	29.620	28.850	-0.596	-1.369	6.99	-9.46	434.000	882	0
04/23/2014 17:00	63298	15	113	6.514	247.5	12.770	8.520	247.5	12.770	10.730	234.6	10.480	30.070	29.580	28.910	-0.491	-1.167	7.04	-9.47	351.000	882	0
04/23/2014 17:15	63299	15	113	7.212	253.7	9.160	9.770	253.7	9.160	11.910	242.6	7.511	29.780	29.430	28.890	-0.344	-0.891	6.61	-10.48	279.400	882	0
04/23/2014 17:30	63300	15	113	6.456	262.3	9.080	8.850	262.3	9.080	10.990	252.9	6.300	29.540	29.310	28.820	-0.228	-0.722	6.77	-10.36	216.800	882	0
04/23/2014 17:45	63301	15	113	5.530	261.2	9.560	7.715	261.2	9.560	9.890	253.7	7.285	29.150	29.050	28.620	-0.096	-0.529	7.44	-9.44	155.900	882	0
04/23/2014 18:00	63302	15	113	6.021	256.5	8.920	8.170	256.5	8.920	10.650	247.5	6.539	28.770	28.830	28.510	0.061	-0.264	7.22	-10.11	98.500	882	0
04/23/2014 18:15	63303	15	113	5.731	257.8	8.440	7.770	257.8	8.440	10.280	248.0	6.465	28.310	28.500	28.280	0.196	-0.031	6.84	-11.13	45.850	882	0
04/23/2014 18:30	63304	15	113	3.761	268.1	8.310	5.573	268.1	8.310	8.600	255.6	5.476	27.270	27.690	27.780	0.416	0.513	7.86	-10.12	12.320	882	0
04/23/2014 18:45	63305	15	113	3.518	276.1	7.114	5.748	276.1	7.114	9.120	263.9	4.084	26.350	26.860	27.260	0.510	0.903	9.29	-8.68	2.243	883	0
04/23/2014 19:00	63306	15	113	2.964	281.6	6.354	5.474	281.6	6.354	9.110	267.8	3.180	25.540	26.150	26.960	0.610	1.419	10.17	-8.10	0.753	883	0
04/23/2014 19:15	63307	15	113	2.321	276.4	7.745	4.233	276.4	7.745	8.320	265.1	4.171	24.580	25.430	26.670	0.851	2.089	10.51	-8.42	0.604	883	0
04/23/2014 19:30	63308	15	113	2.097	269.7	7.054	3.858	269.7	7.054	8.200	260.0	2.991	23.720	24.810	26.350	1.084	2.622	11.32	-8.12	0.734	883	0
04/23/2014 19:45	63309	15	113	2.198	274.4	7.759	4.184	274.4	7.759	8.830	262.7	4.662	23.310	24.380	26.130	1.077	2.823	12.32	-7.36	0.771	883	0
04/23/2014 20:00	63310	15	113	3.166	273.1	7.833	5.236	273.1	7.833	9.500	261.0	3.586	24.470	25.220	26.490	0.748	2.020	10.99	-7.94	1.248	883	0
04/23/2014 20:15	63311	15	113	2.809	273.8	7.923	4.800	273.8	7.923	9.490	261.7	3.277	24.310	25.160	26.760	0.843	2.451	10.90	-8.15	0.894	884	0
04/23/2014 20:30	63312	15	113	2.223	273.2	6.416	4.154	273.2	6.416	8.880	263.2	2.624	23.500	24.600	26.450	1.095	2.953	11.58	-8.01	0.847	884	0
04/23/2014 20:45	63313	15	113	2.386	269.8	7.234	4.126	269.8	7.234	9.060	262.9	2.545	23.270	24.220	26.060	0.951	2.787	11.95	-7.77	0.882	884	0
04/23/2014 21:00	63314	15	113	2.112	260.7	7.549	3.627	260.7	7.549	8.140	258.9	1.846	22.780	23.860	25.560	1.075	2.772	12.42	-7.66	0.875	884	0
04/23/2014 21:15	63315	15	113	1.515	267.6	9.600	3.083	267.6	9.600	8.170	264.6	4.179	21.340	22.930	25.020	1.593	3.679	14.15	-7.11	0.627	884	0
04/23/2014 21:30	63316	15	113	1.979	268.1	9.410	3.671	268.1	9.410	8.160	268.5	3.612	21.280	22.550	24.730	1.266	3.449	14.39	-6.93	0.751	884	0
04/23/2014 21:45	63317	15	113	1.571	255.3	9.460	3.053	255.3	9.460	6.635	265.5	3.949	20.600	22.270	24.150	1.679	3.559	15.64	-6.43	0.666	884	0
04/23/2014 22:00	63318	15	113	2.043	273.9	14.280	4.061	273.9	14.280	8.440	272.3	4.388	21.020	22.540	25.160	1.516	4.139	16.16	-5.63	0.752	884	0
04/23/2014 22:15	63319	15	113	3.105	289.6	6.320	5.680	289.6	6.320	10.240	276.0	2.956	22.960	24.060	25.870	1.104	2.908	13.02	-6.94	1.430	885	0
04/23/2014 22:30	63320	15	113	2.542	273.2	15.910	4.482	273.2	15.910	8.430	270.4	4.307	22.560	23.520	24.960	0.969	2.410	12.75	-7.55	0.929	885	0
04/23/2014 22:45	63321	15	113	2.172	275.0	6.764	4.251	275.0	6.764	8.590	268.6	3.187	21.310	22.680	24.540	1.374	3.234	15.00	-6.37	0.725	885	0
04/23/2014 23:00	63322	15	113	2.368	277.2	5.550	4.527	277.2	5.550	9.080	269.1	2.507	21.280	22.440	24.440	1.166	3.162	14.88	-6.50	0.811	885	0
04/23/2014 23:15	63323	15	113	2.173	268.2	8.020	3.915	268.2	8.020	7.580	271.9	3.720	20.810	21.960	23.420	1.148	2.612	15.61	-6.25	0.721	885	0
04/23/2014 23:30	63324	15	113	1.777	261.0	9.390	2.971	261.0	9.390	6.112	275.1	6.179	20.550	21.770	22.910	1.224	2.368	16.41	-5.82	0.673	885	0
04/23/2014 23:45	63325	15	113	1.586	275.7	11.920	3.173	275.7	11.920	7.243	281.6	6.133	19.870	21.360	22.780	1.483	2.905	17.97	-5.16	0.643	885	0
04/24/2014 00:00	63326	15	114	4.013	291.9	7.015	6.581	291.9	7.015	10.790	281.9	3.889	22.720	23.330	24.080	0.610	1.359	13.99	-6.16	1.858	885	0
04/24/2014 00:15	63327	15	114	4.291	292.8	7.158	6.826	292.8	7.158	11.470	283.7	4.417	22.540	23.030	23.900	0.492	1.362	14.01	-6.29	1.199	886	0
04/24/2014 00:30	63328	15	114	5.507	319.2	8.720	6.344	319.2	8.720	7.149	309.4	5.670	21.850	22.210	22.380	0.365	0.535	14.77	-6.15	0.792	886	0
04/24/2014 00:45	63329	15	114	3.781	326.7	6.821	5.114	326.7	6.821	8.630	318.1	3.226	20.280	20.720	21.280	0.438	0.999	16.84	-5.69	0.805	887	0
04/24/2014 01:00	63330	15	114	3.001	330.2	6.422	4.742	330.2	6.422	9.360	322.1	3.560	19.070	19.690	20.860	0.623	1.792	18.61	-5.36	0.808	887	0
04/24/2014 01:15	63331	15	114	2.228	336.7	5.509	4.242	336.7	5.509	8.140	329.4	4.575	17.890	18.970	20.540	1.077	2.655	20.35	-5.16	0.668	887	0
04/24/2014 01:30	63332	15	114	1.708	343.5	4.277	3.769	343.5	4.277	6.671	337.6	4.783	16.590	18.880	20.320	2.293	3.732	22.08	-5.17	0.582	887	0
04/24/2014 01:45	63333	15	114	1.489	342.8	5.025	3.366	342.8	5.025	5.354	335.7	5.566	15.840	19.040	19.460	3.202	3.625	23.15	-5.17	0.506	887	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/24/2014 02:00	63334	15	114	1.575	345.2	3.961	3.684	345.2	3.961	6.771	339.4	4.814	14.990	17.840	18.930	2.851	3.944	24.65	-5.07	0.645	887	0
04/24/2014 02:15	63335	15	114	1.151	342.3	2.549	2.976	342.3	2.549	6.812	341.4	3.837	14.020	16.780	19.280	2.759	5.261	26.80	-4.78	0.608	888	0
04/24/2014 02:30	63336	15	114	0.921	340.9	3.186	2.880	340.9	3.186	5.623	338.1	3.315	12.670	16.990	18.670	4.322	5.999	29.71	-4.62	0.459	888	0
04/24/2014 02:45	63337	15	114	1.187	344.7	3.525	2.980	344.7	3.525	5.796	337.5	3.742	10.710	17.070	19.200	6.366	8.490	36.08	-3.73	0.625	888	0
04/24/2014 03:00	63338	15	114	1.395	356.1	6.043	3.120	356.1	6.043	5.514	348.4	3.361	10.060	17.720	18.940	7.662	8.880	38.60	-3.40	0.679	888	0
04/24/2014 03:15	63339	15	114	1.464	4.3	6.018	2.999	4.3	6.018	5.282	352.3	3.008	9.750	17.580	18.560	7.833	8.810	39.39	-3.41	0.527	888	0
04/24/2014 03:30	63340	15	114	1.448	14.1	2.756	3.132	14.1	2.756	6.819	355.0	1.767	9.330	16.670	18.390	7.345	9.060	41.27	-3.16	0.705	889	0
04/24/2014 03:45	63341	15	114	1.913	8.0	7.332	4.748	8.0	7.332	8.830	350.7	1.715	11.260	15.620	18.510	4.358	7.247	34.96	-3.69	1.000	889	0
04/24/2014 04:00	63342	15	114	2.667	351.1	7.989	5.219	351.1	7.989	9.790	342.0	3.895	13.270	14.700	18.680	1.434	5.408	26.72	-5.47	1.759	889	0
04/24/2014 04:15	63343	15	114	2.835	352.2	9.590	5.550	352.2	9.590	9.620	339.7	2.047	12.750	14.070	18.640	1.317	5.882	27.36	-5.60	1.047	889	0
04/24/2014 04:30	63344	15	114	3.233	349.4	9.550	5.909	349.4	9.550	10.480	337.4	4.237	13.870	15.020	17.640	1.143	3.768	24.05	-6.36	1.278	890	0
04/24/2014 04:45	63345	15	114	3.471	350.1	11.810	5.623	350.1	11.810	9.780	339.2	4.656	14.520	15.150	16.230	0.636	1.717	20.90	-7.61	1.207	890	0
04/24/2014 05:00	63346	15	114	2.774	353.0	12.780	4.680	353.0	12.780	8.170	346.9	5.711	13.830	14.530	15.280	0.694	1.448	21.54	-7.80	0.832	890	0
04/24/2014 05:15	63347	15	114	3.557	7.2	10.390	5.696	7.2	10.390	10.170	354.7	11.320	13.470	14.070	15.090	0.601	1.621	21.85	-7.93	2.042	890	0
04/24/2014 05:30	63348	15	114	5.265	6.0	16.160	7.906	6.0	16.160	11.970	355.8	15.950	14.820	15.170	15.650	0.353	0.829	17.70	-9.52	12.850	891	0
04/24/2014 05:45	63349	15	114	6.370	1.9	17.720	9.450	1.9	17.720	13.160	352.3	10.280	15.630	15.880	15.950	0.248	0.320	15.07	-10.87	45.380	891	0
04/24/2014 06:00	63350	15	114	5.958	0.1	19.910	8.710	0.1	19.910	12.080	348.9	7.559	16.050	16.210	16.140	0.160	0.091	14.03	-11.43	93.600	891	0
04/24/2014 06:15	63351	15	114	6.463	358.3	18.250	9.590	358.3	18.250	12.570	347.8	9.000	16.640	16.710	16.500	0.070	-0.140	13.44	-11.50	153.700	891	0
04/24/2014 06:30	63352	15	114	7.250	0.8	18.500	10.520	0.8	18.500	13.410	349.8	9.420	17.280	17.230	16.900	-0.050	-0.381	12.55	-11.85	217.900	892	0
04/24/2014 06:45	63353	15	114	7.363	4.0	19.790	10.740	4.0	19.790	13.850	351.5	11.180	17.710	17.540	17.100	-0.173	-0.614	12.12	-11.94	282.700	892	0
04/24/2014 07:00	63354	15	114	6.894	10.9	14.930	10.190	10.9	14.930	12.590	359.7	16.350	18.190	17.900	17.360	-0.290	-0.836	11.77	-11.93	346.500	892	0
04/24/2014 07:15	63355	15	114	8.610	15.8	10.960	11.990	15.8	10.960	15.560	3.4	16.880	18.530	18.210	17.580	-0.320	-0.953	11.39	-12.08	408.200	892	0
04/24/2014 07:30	63356	15	114	7.848	12.5	18.660	7.755	12.5	18.660	13.370	4.2	19.860	18.540	18.630	17.700	0.091	-0.843	11.63	-11.81	467.500	893	0
04/24/2014 07:45	63357	15	114	1.967	17.2	16.350	8.090	17.2	16.350	8.700	8.5	21.840	18.150	18.120	18.030	-0.033	-0.122	12.22	-11.49	523.700	893	0
04/25/2014 07:45	63453	15	115	4.155	187.1	24.330	5.248	172.8	8.260	6.089	167.4	5.748	21.320	20.390	19.680	-0.927	-1.641	16.87	-4.82	572.300	891	0
04/25/2014 08:00	63454	15	115	3.767	177.1	11.560	4.838	172.9	8.230	5.593	169.9	6.536	22.280	21.200	20.400	-1.080	-1.878	16.07	-4.69	641.800	891	0
04/25/2014 08:15	63455	15	115	4.047	182.8	14.270	5.139	178.6	11.550	5.990	175.0	8.260	23.170	22.120	21.330	-1.043	-1.830	14.53	-5.31	705.700	891	0
04/25/2014 08:30	63456	15	115	3.893	183.5	15.820	4.916	179.3	13.480	5.747	175.9	9.530	24.000	22.910	21.980	-1.086	-2.018	13.53	-5.59	766.700	891	0
04/25/2014 08:45	63457	15	115	3.741	194.6	13.780	4.630	190.6	11.650	5.237	189.5	8.630	24.400	23.220	22.380	-1.184	-2.018	12.56	-6.24	827.000	891	0
04/25/2014 09:00	63458	15	115	3.769	205.3	14.990	4.661	197.4	12.110	5.264	193.1	9.480	24.960	23.720	22.890	-1.244	-2.070	12.03	-6.37	886.000	891	0
04/25/2014 09:15	63459	15	115	3.443	194.5	16.660	4.159	191.7	15.340	5.045	193.7	12.720	25.890	24.600	23.590	-1.289	-2.297	11.34	-6.43	941.000	891	0
04/25/2014 09:30	63460	15	115	3.596	216.3	17.820	4.267	211.4	13.800	4.862	208.7	9.280	26.220	25.070	24.140	-1.152	-2.078	10.42	-7.27	994.000	891	0
04/25/2014 09:45	63461	15	115	3.928	205.3	18.170	4.817	200.2	13.520	5.462	196.0	10.380	26.690	25.280	24.470	-1.415	-2.226	10.40	-6.93	1043.000	891	0
04/25/2014 10:00	63462	15	115	3.267	187.8	23.080	4.012	185.8	15.680	4.736	185.5	10.420	27.440	26.070	25.050	-1.373	-2.392	10.01	-6.86	1084.000	891	0
04/25/2014 10:15	63463	15	115	3.448	203.3	25.620	4.279	197.8	20.430	4.676	197.0	16.970	27.730	26.470	25.570	-1.259	-2.154	9.25	-7.69	1120.000	891	0
04/25/2014 10:30	63464	15	115	2.475	223.1	28.000	3.046	219.5	24.840	3.626	212.8	21.490	28.170	27.200	26.440	-0.969	-1.727	8.38	-8.63	1131.000	891	0
04/25/2014 10:45	63465	15	115	3.098	232.1	27.280	3.664	229.5	26.970	4.072	229.6	26.970	28.530	27.290	26.530	-1.241	-2.008	7.50	-9.78	1156.000	890	0
04/25/2014 11:00	63466	15	115	2.800	240.5	24.050	3.474	235.2	22.950	3.932	228.9	18.510	28.910	27.680	26.830	-1.226	-2.073	7.55	-9.41	1205.000	890	0
04/25/2014 11:15	63467	15	115	2.689	227.4	37.920	3.253	223.2	31.210	3.774	225.3	14.180	29.060	27.980	27.080	-1.080	-1.981	7.35	-9.63	1223.000	890	0
04/25/2014 11:30	63468	15	115	3.077	222.9	33.080	3.783	218.9	30.120	4.281	212.3	25.590	29.730	28.380	27.370	-1.349	-2.363	7.12	-9.55	1234.000	890	0
04/25/2014 11:45	63469	15	115	2.670	204.3	68.020	3.296	192.2	55.700	4.060	190.4	38.120	29.550	28.370	27.470	-1.181	-2.081	7.07	-9.78	1253.000	889	0
04/25/2014 12:00	63470	15	115	3.345	209.4	37.960	4.117	205.4	38.040	4.801	204.7	29.370	30.290	28.890	28.010	-1.393	-2.278	7.08	-9.22	1251.000	889	0
04/25/2014 12:15	63471	15	115	4.221	185.3	20.360	5.416	180.6	17.210	6.520	182.5	15.450	31.500	29.810	28.710	-1.693	-2.795	6.54	-9.38	1254.000	889	0
04/25/2014 12:30	63472	15	115	4.246	227.5	25.430	5.431	227.7	24.570	6.372	221.3	22.010	31.120	29.560	28.540	-1.563	-2.577	6.56	-9.59	1223.000	888	0
04/25/2014 12:45	63473	15	115	4.802	198.9	24.970	6.238	197.4	18.500	7.501	195.5	14.000	31.470	29.830	28.640	-1.641	-2.834	6.54	-9.39	1224.000	888	0
04/25/2014 13:00	63474	15	115	5.712	199.4	23.530	7.519	195.1	20.250	9.270	193.9	17.880	32.370	30.440	29.250	-1.924	-3.122	6.30	-9.23	1236.000	888	0
04/25/2014 13:15	63475	15	115	5.795	217.5	20.810	7.557	213.2	19.160	9.140	210.2	16.330	32.080	30.350	29.240	-1.728	-2.837	6.35	-9.34	1133.000	888	0
04/25/2014 13:30	63476	15	115	4.756	236.4	20.180	6.200	231.7	18.980	7.369	226.0	15.780	32.040	30.550	29.470	-1.492	-2.572	6.27	-9.51	1125.000	888	0
04/25/2014 13:45	63477	15	115	6.222	215.1	21.830	7.984	210.9	18.880	9.360	206.3	15.380	32.790	31.200	29.980	-1.590	-2.814	5.81	-9.97	1158.000	887	0
04/25/2014 14:00	63478	15	115	5.827	225.9	18.870	7.584	220.8	17.650	9.120	216.3	12.480	32.560	30.920	29.820	-1.638	-2.737	5.77	-10.23	1092.000	887	0
04/25/2014 14:15	63479	15	115	6.467	237.9	13.150	8.460	234.7	11.620	10.140	231.1	9.600	32.360	30.910	29.830	-1.451	-2.524	5.63	-10.70	985.000	887	0
04/25/2014 14:30	63480	15	115	5.436	242.0	15.110	7.230	238.9	12.230	8.620	234.1	10.560	32.420	30.970	29.990	-1.452	-2.436	5.78	-10.29	936.000	887	0
04/25/2014 14:45	63481	15	115	5.530	229.1	15.770	7.135	225.4	14.580	8.910	223.6	14.220	32.560	31.180	30.130	-1.373	-2.428	5.74	-10.29	953.000	886	0
04/25/2014 15:00	63482	15	115	5.693	223.6	17.640	7.478	219.9	18.570	9.090	214.9	16.060	32.870	31.470	30.370	-1.404	-2.503	5.62	-10.34	950.000	886	0
04/25/2014 15:15	63483	15	115	4.582	231.1	18.580	5.838	228.5	15.690	6.580	221.1	12.280	32.220	31.090	30.120	-1.127	-2.099	5.69	-10.64	878.000	886	0
04/25/2014 15:30	63484	15	115	5.195	222.3	15.650	6.680	217.9	12.480	8.060	215.2	11.860	32.350	31.160	30.320	-1.196	-2.035	5.88	-10.13	748.600	886	0
04/25/2014 15:45	63485	15	115	4.962	226.1	14.580	6.406	221.8	12.130	7.631	217.5	11.260	32.070	31.160	30.330	-0.908	-1.742	5.75	-10.60	541.500	886	0
04/25/2014 16:00	63486	15	115	4.585	240.7	22.700	6.208	238.4	21.100	7.913	233.2	16.270	32.130	31.280	30.410	-0.856	-1.724	5.92	-10.18	562.100	885	0
04/25/2014 16:15	63487	15	115	4.282	238.2	14.980	5.469	235.0	14.830	6.508	228.7	12.810	31.970	31.250	30.510	-0.716	-1.460	5.79	-10.59	496.000	885	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/25/2014 16:30	63488	15	115	4.724	237.4	15.120	6.060	233.6	13.110	7.342	226.0	12.990	31.760	31.210	30.540	-0.548	-1.219	5.68	-10.97	393.900	885	0
04/25/2014 16:45	63489	15	115	4.327	229.5	15.340	5.807	229.0	13.640	7.153	228.0	14.040	31.600	31.130	30.530	-0.473	-1.071	5.89	-10.62	342.600	885	0
04/25/2014 17:00	63490	15	115	4.681	225.9	18.190	6.232	220.2	16.440	7.833	215.9	13.100	31.440	31.170	30.630	-0.272	-0.805	5.80	-10.94	262.600	885	0
04/25/2014 17:15	63491	15	115	4.822	226.3	12.140	6.453	222.6	10.490	8.550	217.9	7.812	31.410	31.140	30.590	-0.274	-0.815	5.74	-11.10	276.900	885	0
04/25/2014 17:30	63492	15	115	5.246	223.1	11.530	7.069	219.9	9.740	9.410	215.6	6.562	30.920	30.900	30.530	-0.024	-0.393	5.70	-11.54	153.500	885	0
04/25/2014 17:45	63493	15	115	3.790	227.9	13.810	5.351	222.8	12.590	7.742	217.7	8.320	30.260	30.470	30.290	0.213	0.027	5.81	-11.77	88.300	885	0
04/25/2014 18:00	63494	15	115	2.684	222.8	10.450	4.074	219.1	8.190	6.873	215.2	4.358	29.270	29.750	29.950	0.473	0.679	6.60	-10.86	57.920	885	0
04/25/2014 18:15	63495	15	115	2.569	229.2	11.230	3.917	226.8	10.160	6.844	222.0	5.509	28.820	29.400	29.770	0.578	0.950	6.94	-10.55	32.700	885	0
04/25/2014 18:30	63496	15	115	1.877	241.4	16.420	3.146	236.5	10.040	5.653	234.1	5.443	27.890	28.940	29.550	1.058	1.669	7.51	-10.25	10.860	885	0
04/25/2014 18:45	63497	15	115	0.881	255.8	23.100	2.224	242.2	10.800	4.963	241.0	4.454	26.460	28.340	29.270	1.878	2.811	8.70	-9.41	2.747	885	0
04/25/2014 19:00	63498	15	115	0.911	206.8	45.070	1.892	228.1	22.750	4.244	244.1	7.762	25.040	27.890	28.850	2.846	3.810	9.82	-8.96	1.014	885	0
04/25/2014 19:15	63499	15	115	1.180	120.1	28.160	1.650	180.5	9.150	3.192	222.1	5.429	22.040	27.160	28.490	5.120	6.452	12.76	-7.90	0.656	886	0
04/25/2014 19:30	63500	15	115	0.681	102.9	27.210	1.975	173.1	8.580	3.139	220.7	6.592	21.200	26.950	28.610	5.749	7.412	14.24	-7.14	0.621	886	0
04/25/2014 19:45	63501	15	115	0.784	81.8	20.210	1.379	176.9	11.910	2.968	218.7	4.964	20.790	27.070	28.800	6.288	8.020	14.60	-7.15	0.767	886	0
04/25/2014 20:00	63502	15	115	0.746	104.6	13.720	1.627	158.5	7.092	2.307	196.4	11.250	20.030	27.370	28.510	7.343	8.480	16.39	-6.35	0.551	886	0
04/25/2014 20:15	63503	15	115	0.942	13.5	44.820	1.461	86.5	57.800	2.279	189.4	16.010	19.170	23.260	27.170	4.095	8.010	18.06	-5.71	0.572	886	0
04/25/2014 20:30	63504	15	115	1.170	70.5	14.280	1.281	112.7	13.770	2.555	186.0	8.770	19.130	24.850	27.030	5.724	7.901	17.65	-6.01	0.677	886	0
04/25/2014 20:45	63505	15	115	0.736	77.0	16.880	1.726	149.6	8.530	2.762	201.4	3.612	18.400	25.120	27.210	6.716	8.810	18.95	-5.68	0.765	886	0
04/25/2014 21:00	63506	15	115	0.749	48.0	17.060	1.930	151.6	4.189	1.901	204.3	2.835	17.560	25.070	27.630	7.505	10.070	21.10	-4.95	0.655	886	0
04/25/2014 21:15	63507	15	115	0.648	74.6	14.540	2.089	149.6	3.334	1.791	200.1	3.853	17.340	25.340	27.640	7.995	10.290	22.36	-4.39	0.626	886	0
04/25/2014 21:30	63508	15	115	0.615	37.5	27.490	1.519	152.9	5.685	2.052	217.2	11.730	17.830	25.690	27.730	7.862	9.900	20.75	-4.96	0.583	886	0
04/25/2014 21:45	63509	15	115	1.152	37.0	14.880	0.756	135.0	6.101	1.838	255.2	5.256	17.010	25.480	27.740	8.470	10.730	22.65	-4.48	0.558	886	0
04/25/2014 22:00	63510	15	115	0.860	44.0	15.530	0.461	124.7	11.370	1.490	264.6	6.944	16.240	25.750	27.660	9.500	11.420	24.61	-4.02	0.547	886	0
04/25/2014 22:15	63511	15	115	0.945	54.0	9.600	0.552	118.8	10.430	1.241	271.8	3.989	15.420	25.680	27.460	10.270	12.040	26.62	-3.68	0.542	886	0
04/25/2014 22:30	63512	15	115	1.532	38.1	5.907	0.919	73.9	29.270	1.023	303.4	15.070	15.220	25.720	27.180	10.500	11.960	26.94	-3.68	0.507	885	0
04/25/2014 22:45	63513	15	115	3.147	114.1	35.200	4.820	112.2	28.320	6.402	111.8	64.380	18.650	23.500	24.870	4.857	6.228	26.03	-1.25	1.362	885	0
04/25/2014 23:00	63514	15	115	3.773	148.6	15.120	5.771	144.3	13.030	8.710	141.5	12.550	22.220	22.780	23.170	0.566	0.951	39.52	7.71	1.614	885	0
04/25/2014 23:15	63515	15	115	3.780	158.5	11.080	5.684	153.7	7.189	8.810	152.1	4.813	22.290	22.710	22.890	0.412	0.600	46.70	10.36	1.536	885	0
04/25/2014 23:30	63516	15	115	3.332	155.5	11.190	5.207	150.4	7.411	8.690	150.1	3.490	21.660	22.140	22.510	0.487	0.856	49.20	10.56	1.414	885	0
04/25/2014 23:45	63517	15	115	2.682	149.5	11.450	4.525	146.2	6.753	8.370	148.7	3.247	20.860	21.440	22.160	0.573	1.291	52.02	10.67	1.425	885	0
04/26/2014 00:00	63518	15	116	2.767	143.7	10.900	4.694	139.9	6.539	8.540	145.4	3.553	20.380	20.980	21.910	0.600	1.524	54.68	10.97	1.328	885	0
04/26/2014 00:15	63519	15	116	3.452	138.3	10.860	5.382	135.4	7.038	9.770	142.0	4.022	20.310	20.780	21.870	0.472	1.563	56.60	11.43	1.388	885	0
04/26/2014 00:30	63520	15	116	3.379	137.5	11.290	5.343	133.2	7.046	9.340	137.9	3.514	20.360	20.800	21.610	0.440	1.251	57.46	11.70	1.423	885	0
04/26/2014 00:45	63521	15	116	3.464	140.2	11.360	5.332	135.4	7.644	8.790	137.8	4.482	20.610	21.010	21.460	0.403	0.855	57.67	11.98	1.503	885	0
04/26/2014 01:00	63522	15	116	3.263	139.8	11.520	5.076	136.3	8.170	8.220	135.6	4.505	20.570	20.990	21.340	0.420	0.762	58.26	12.11	1.372	885	0
04/26/2014 01:15	63523	15	116	2.968	140.4	11.770	4.649	135.6	7.717	7.588	135.9	5.116	20.280	20.730	21.100	0.455	0.827	59.67	12.19	1.276	885	0
04/26/2014 01:30	63524	15	116	2.780	142.3	10.870	4.568	137.5	7.614	7.990	136.9	4.223	20.100	20.590	21.040	0.493	0.941	60.91	12.34	1.419	884	0
04/26/2014 01:45	63525	15	116	2.810	147.8	10.920	4.634	143.2	6.905	7.933	141.6	4.541	19.900	20.390	20.820	0.497	0.927	62.43	12.52	1.341	884	0
04/26/2014 02:00	63526	15	116	2.802	149.7	10.720	4.414	143.6	6.923	7.837	142.2	3.855	19.660	20.110	20.560	0.450	0.896	63.56	12.57	1.376	884	0
04/26/2014 02:15	63527	15	116	2.701	146.0	11.120	4.513	141.1	6.913	7.800	140.6	3.447	19.330	19.830	20.350	0.496	1.015	65.36	12.69	1.254	884	0
04/26/2014 02:30	63528	15	116	2.190	151.1	12.650	3.743	145.1	8.300	7.107	143.9	3.628	19.140	19.670	20.320	0.530	1.175	66.72	12.82	1.211	884	0
04/26/2014 02:45	63529	15	116	2.868	144.0	11.100	4.705	140.6	6.707	7.866	143.5	3.703	19.290	19.870	20.580	0.577	1.291	67.46	13.13	1.370	884	0
04/26/2014 03:00	63530	15	116	2.181	148.2	11.780	3.883	145.2	5.632	6.749	148.4	3.156	18.940	19.640	20.510	0.698	1.573	68.32	12.99	1.207	884	0
04/26/2014 03:15	63531	15	116	1.554	146.0	10.840	3.428	139.0	4.717	6.242	155.0	3.411	18.140	19.130	20.910	0.986	2.771	71.42	12.90	1.115	884	0
04/26/2014 03:30	63532	15	116	0.794	206.9	22.020	1.808	158.6	9.420	5.321	159.7	4.010	17.690	18.450	20.660	0.761	2.970	72.84	12.77	0.877	885	0
04/26/2014 03:45	63533	15	116	0.961	186.4	13.380	2.320	155.4	4.329	5.381	162.0	3.587	16.870	18.250	20.400	1.379	3.522	74.54	12.34	0.939	885	0
04/26/2014 04:00	63534	15	116	0.779	186.2	37.450	2.250	144.2	8.950	5.787	165.6	2.849	16.390	17.770	20.930	1.384	4.546	76.34	12.23	1.005	885	0
04/26/2014 04:15	63535	15	116	0.678	161.8	50.400	2.199	129.9	12.860	4.937	164.1	4.603	16.290	17.530	21.130	1.244	4.842	78.03	12.46	1.186	885	0
04/26/2014 04:30	63536	15	116	0.473	230.6	70.640	1.484	122.1	23.640	4.104	170.2	6.637	16.650	17.110	21.490	0.464	4.849	76.78	12.57	0.881	885	0
04/26/2014 04:45	63537	15	116	0.816	82.2	71.000	1.701	112.8	20.380	2.994	186.7	11.320	16.610	17.410	21.740	0.795	5.121	75.63	12.31	0.689	885	0
04/26/2014 05:00	63538	15	116	0.497	121.0	78.150	1.554	140.9	9.960	2.838	213.6	11.000	16.300	18.640	22.090	2.341	5.792	74.38	11.75	0.779	885	0
04/26/2014 05:15	63539	15	116	0.540	67.5	52.030	1.345	158.2	22.930	3.752	242.0	12.120	15.650	19.610	22.580	3.957	6.925	73.77	11.00	1.554	885	0
04/26/2014 05:30	63540	15	116	0.942	78.2	36.100	0.798	205.3	37.470	3.290	253.2	19.290	14.550	21.150	22.510	6.595	7.952	72.84	9.75	6.719	885	0
04/26/2014 05:45	63541	15	116	0.578	119.7	26.100	1.685	166.4	14.690	2.020	211.1	21.620	14.880	20.940	21.660	6.058	6.780	65.17	8.40	26.410	885	0
04/26/2014 06:00	63542	15	116	1.059	156.8	42.170	2.822	157.9	6.797	3.304	188.9	8.720	15.520	19.890	21.910	4.379	6.399	60.96	8.03	60.530	885	0
04/26/2014 06:15	63543	15	116	0.596	176.3	30.930	2.232	151.5	7.982	3.760	194.3	12.950	16.750	18.250	21.640	1.500	4.885	60.03	8.97	117.000	885	0
04/26/2014 06:30	63544	15	116	1.279	176.6	16.590	2.497	159.8	10.320	5.677	173.6	4.002	17.690	18.140	19.970	0.454	2.283	62.53	10.46	169.300	885	0
04/26/2014 06:45	63545	15	116	1.845	166.4	13.170	2.821	161.5	9.170	5.723	172.8	4.289	18.750	18.560	19.200	-0.183	0.456	61.29	11.16	226.100	885	0
04/26/2014 07:00	63546	15	116	2.281	166.2	13.490	2.938	161.4	11.340	4.183	161.2	8.060	19.990	19.530	19.000	-0.468	-0.992	56.44	11.08	358.300	885	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/26/2014 07:15	63547	15	116	2.849	190.7	14.240	3.553	186.0	14.690	4.308	188.4	12.490	21.440	20.850	20.310	-0.596	-1.130	39.62	6.98	428.100	885	0
04/26/2014 07:30	63548	15	116	2.845	214.0	14.360	3.582	210.2	11.730	4.396	207.9	10.160	22.660	21.980	21.360	-0.684	-1.295	25.40	1.74	576.400	885	0
04/26/2014 07:45	63549	15	116	4.132	224.7	11.870	5.314	222.4	9.460	6.315	220.1	7.422	23.470	22.860	22.160	-0.615	-1.308	15.69	-4.06	510.700	885	0
04/26/2014 08:00	63550	15	116	3.768	233.9	12.770	4.874	230.0	11.070	6.010	227.1	8.360	23.500	22.880	22.200	-0.624	-1.305	14.28	-5.27	518.000	885	0
04/26/2014 08:15	63551	15	116	4.223	236.8	13.170	5.532	233.1	11.250	6.872	229.1	8.670	23.930	23.120	22.370	-0.811	-1.562	13.52	-5.65	658.000	885	0
04/26/2014 08:30	63552	15	116	4.361	234.2	13.930	5.620	231.3	11.590	6.710	228.0	9.580	24.550	23.560	22.800	-0.999	-1.751	12.97	-5.71	808.000	885	0
04/26/2014 08:45	63553	15	116	4.920	246.4	13.840	6.374	241.1	11.930	7.651	233.0	9.310	25.640	24.520	23.760	-1.116	-1.875	12.34	-5.52	870.000	885	0
04/26/2014 09:00	63554	15	116	5.937	243.0	14.010	7.641	239.8	11.710	9.430	236.7	10.010	26.540	25.410	24.580	-1.129	-1.960	11.18	-6.11	922.000	885	0
04/26/2014 09:15	63555	15	116	7.263	238.2	13.730	9.690	236.1	11.910	12.110	230.2	8.810	27.670	26.430	25.580	-1.238	-2.089	9.50	-7.39	971.000	884	0
04/26/2014 09:30	63556	15	116	8.260	242.7	12.190	10.850	239.5	10.450	13.290	234.3	8.940	28.020	26.870	25.930	-1.151	-2.095	8.81	-8.09	1022.000	884	0
04/26/2014 09:45	63557	15	116	7.690	238.5	12.460	10.080	236.1	10.390	12.640	231.3	7.575	28.240	26.950	25.960	-1.284	-2.276	8.33	-8.66	1083.000	884	0
04/26/2014 10:00	63558	15	116	7.485	240.4	14.020	9.890	236.8	12.980	12.540	231.6	10.460	28.620	27.340	26.210	-1.282	-2.408	7.86	-9.12	1015.000	884	0
04/26/2014 10:15	63559	15	116	7.632	239.6	13.910	10.180	236.9	11.200	12.760	232.1	8.590	28.870	27.560	26.590	-1.311	-2.283	7.84	-8.98	1011.000	884	0
04/26/2014 10:30	63560	15	116	6.355	233.8	13.550	8.360	229.8	12.240	10.570	225.5	8.990	28.950	27.800	26.820	-1.158	-2.132	7.57	-9.36	831.000	883	0
04/26/2014 10:45	63561	15	116	7.141	235.1	13.060	9.540	231.7	12.850	12.360	225.4	9.590	28.610	27.710	26.850	-0.900	-1.759	7.07	-10.50	685.800	883	0
04/26/2014 11:00	63562	15	116	6.838	229.3	14.230	9.060	223.8	12.820	11.410	219.3	9.160	29.010	27.990	27.070	-1.015	-1.939	7.33	-9.73	762.000	883	0
04/26/2014 11:15	63563	15	116	8.480	233.9	17.750	11.330	229.7	15.460	14.070	226.3	12.270	28.760	27.940	27.130	-0.815	-1.632	6.73	-11.06	652.600	883	0
04/26/2014 11:30	63564	15	116	7.431	236.2	12.870	10.080	233.4	11.490	12.600	229.3	9.090	29.010	28.060	27.280	-0.948	-1.727	6.37	-11.54	761.200	882	0
04/26/2014 11:45	63565	15	116	8.840	241.4	11.320	11.390	237.8	9.430	14.090	231.4	7.819	29.180	28.240	27.410	-0.947	-1.777	5.88	-12.47	870.000	882	0
04/26/2014 12:00	63566	15	116	8.190	240.4	13.620	10.920	237.3	11.620	13.740	233.0	10.380	29.660	28.590	27.660	-1.070	-2.001	6.20	-11.43	895.000	882	0
04/26/2014 12:15	63567	15	116	8.240	231.0	13.970	11.040	228.5	12.250	13.520	225.3	10.660	30.260	29.020	28.010	-1.249	-2.252	5.41	-12.71	1054.000	882	0
04/26/2014 12:30	63568	15	116	8.730	229.3	14.980	11.320	225.8	12.810	14.700	220.7	10.400	30.460	29.150	27.990	-1.303	-2.465	5.30	-12.87	1143.000	882	0
04/26/2014 12:45	63569	15	116	8.330	223.1	13.730	11.230	221.7	12.760	13.890	219.1	10.170	30.900	29.510	28.360	-1.395	-2.543	4.97	-13.35	1116.000	881	0
04/26/2014 13:00	63570	15	116	8.900	229.0	13.830	11.770	225.6	12.410	15.120	221.9	10.070	31.180	29.840	28.750	-1.340	-2.426	4.49	-14.46	1155.000	881	0
04/26/2014 13:15	63571	15	116	9.130	230.8	13.300	11.980	226.9	10.390	14.970	222.0	7.653	31.410	30.110	28.980	-1.297	-2.422	4.40	-14.57	1103.000	881	0
04/26/2014 13:30	63572	15	116	8.920	236.5	14.730	11.840	234.5	13.500	15.540	230.5	10.410	31.310	30.040	28.920	-1.261	-2.384	4.31	-14.89	1047.000	880	0
04/26/2014 13:45	63573	15	116	8.950	238.2	13.580	11.950	236.9	12.160	14.560	231.3	9.500	31.390	30.150	29.150	-1.239	-2.237	4.44	-14.45	1091.000	880	0
04/26/2014 14:00	63574	15	116	8.770	239.3	14.180	11.730	236.7	12.470	14.670	231.9	9.700	31.420	30.190	29.160	-1.227	-2.255	4.26	-14.96	1001.000	880	0
04/26/2014 14:15	63575	15	116	8.560	236.6	14.600	11.300	233.0	13.000	14.230	228.5	11.190	31.660	30.410	29.340	-1.254	-2.327	4.22	-14.90	1068.000	880	0
04/26/2014 14:30	63576	15	116	9.620	242.4	12.160	12.640	239.7	10.140	15.460	233.3	8.530	31.730	30.510	29.500	-1.221	-2.227	3.92	-15.79	1083.000	879	0
04/26/2014 14:45	63577	15	116	8.620	238.5	12.870	11.330	235.5	11.780	14.330	229.9	9.840	31.570	30.400	29.440	-1.173	-2.136	3.70	-16.65	997.000	879	0
04/26/2014 15:00	63578	15	116	8.300	232.6	12.360	10.840	229.2	10.840	14.040	224.1	8.230	31.550	30.460	29.440	-1.088	-2.107	3.87	-16.09	947.000	879	0
04/26/2014 15:15	63579	15	116	7.473	233.8	12.680	9.760	231.3	11.340	12.430	225.4	8.840	31.760	30.610	29.580	-1.150	-2.175	3.94	-15.69	897.000	879	0
04/26/2014 15:30	63580	15	116	7.947	231.2	13.140	10.650	226.2	12.020	13.800	221.7	9.210	31.460	30.380	29.380	-1.082	-2.083	4.02	-15.62	832.000	879	0
04/26/2014 15:45	63581	15	116	8.030	239.8	12.340	10.530	236.0	10.720	12.810	228.1	8.190	30.910	30.090	29.330	-0.820	-1.579	4.12	-15.70	657.100	878	0
04/26/2014 16:00	63582	15	116	8.120	238.3	12.950	10.670	235.0	11.590	13.770	229.5	9.290	30.310	29.840	29.180	-0.474	-1.128	4.20	-15.88	335.900	878	0
04/26/2014 16:15	63583	15	116	8.430	242.9	11.190	11.240	239.3	9.450	14.050	234.9	8.180	29.550	29.230	28.670	-0.317	-0.878	4.45	-15.70	261.300	878	0
04/26/2014 16:30	63584	15	116	7.448	243.0	11.000	9.900	239.2	9.120	12.480	233.7	6.638	29.100	28.870	28.370	-0.231	-0.727	4.66	-15.43	195.200	879	0
04/26/2014 16:45	63585	15	116	5.901	236.6	12.910	7.904	234.1	11.190	10.100	228.3	9.620	28.940	28.800	28.350	-0.143	-0.589	4.94	-14.76	147.400	879	0
04/26/2014 17:00	63586	15	116	5.971	235.4	12.780	8.070	231.3	11.180	10.930	226.6	9.260	28.720	28.660	28.260	-0.066	-0.461	5.06	-14.62	114.500	878	0
04/26/2014 17:15	63587	15	116	5.572	224.0	13.230	7.546	219.9	10.910	9.630	215.8	7.272	29.120	28.890	28.450	-0.230	-0.667	5.26	-13.86	267.800	878	0
04/26/2014 17:30	63588	15	116	6.408	225.5	14.580	8.480	222.7	12.850	11.240	218.4	9.250	29.870	29.550	28.990	-0.321	-0.873	4.95	-14.09	320.000	878	0
04/26/2014 17:45	63589	15	116	6.582	230.4	12.690	8.690	226.0	11.130	11.760	220.7	8.530	29.620	29.510	29.070	-0.109	-0.544	4.95	-14.27	194.300	877	0
04/26/2014 18:00	63590	15	116	5.600	227.3	12.450	7.694	223.0	10.710	10.920	218.7	6.845	28.890	29.070	28.850	0.185	-0.032	5.07	-14.49	50.240	877	0
04/26/2014 18:15	63591	15	116	4.242	225.3	10.610	5.975	221.7	8.280	8.880	218.0	4.932	28.260	28.580	28.600	0.318	0.338	5.39	-14.11	33.880	877	0
04/26/2014 18:30	63592	15	116	3.330	225.3	11.510	4.867	222.7	9.410	7.739	219.4	6.089	27.790	28.190	28.320	0.401	0.532	5.67	-13.82	20.070	877	0
04/26/2014 18:45	63593	15	116	3.919	239.2	10.890	5.332	238.7	8.280	7.712	234.9	6.058	27.820	28.100	28.020	0.289	0.204	5.60	-13.96	3.360	878	0
04/26/2014 19:00	63594	15	116	4.349	240.6	10.740	5.868	239.6	7.740	8.090	237.8	5.396	27.540	27.790	27.630	0.245	0.081	5.86	-13.59	1.443	878	0
04/26/2014 19:15	63595	15	116	3.011	230.8	11.420	4.337	230.3	9.940	7.110	229.3	6.361	26.860	27.190	27.180	0.325	0.313	6.39	-13.01	1.163	878	0
04/26/2014 19:30	63596	15	116	2.278	221.5	9.890	3.615	217.4	7.625	6.371	217.2	4.653	26.070	26.560	26.940	0.489	0.873	6.82	-12.79	1.144	878	0
04/26/2014 19:45	63597	15	116	2.546	220.4	9.530	3.941	217.5	7.460	7.108	219.2	4.126	25.830	26.280	26.720	0.448	0.888	6.92	-12.77	1.385	878	0
04/26/2014 20:00	63598	15	116	2.475	226.1	10.180	3.717	224.3	7.457	6.792	225.2	4.697	25.440	25.910	26.290	0.468	0.850	7.17	-12.63	1.008	878	0
04/26/2014 20:15	63599	15	116	3.257	236.2	10.750	4.452	235.0	8.830	7.070	231.8	6.315	25.680	25.990	26.090	0.310	0.407	6.78	-13.14	1.256	878	0
04/26/2014 20:30	63600	15	116	3.417	253.8	14.300	5.019	249.9	12.530	7.439	242.8	10.150	25.690	25.970	25.980	0.277	0.294	6.53	-13.60	1.358	879	0
04/26/2014 20:45	63601	15	116	4.089	265.2	11.990	6.451	263.1	9.200	8.950	257.6	6.580	25.700	25.910	25.900	0.210	0.194	6.99	-12.75	1.547	879	0
04/26/2014 21:00	63602	15	116	4.208	264.2	13.690	6.281	261.2	10.220	8.590	257.0	6.888	25.700	25.870	25.680	0.169	-0.021	7.49	-11.88	1.413	879	0
04/26/2014 21:15	63603	15	116	3.711	260.3	14.150	5.680	258.3	11.130	7.882	255.6	8.260	25.290	25.460	25.270	0.171	-0.021	8.14	-11.13	1.299	879	0
04/26/2014 21:30	63604	15	116	4.509	271.7	12.060	7.334	269.7	8.860	9.830	265.5	6.283	25.130	25.230	25.000	0.103	-0.125	8.55	-10.64	1.651	879	0
04/26/2014 21:45	63605	15	116	6.359	270.5	10.510	10.210	268.6	7.606	13.300	263.1	5.582	25.050	25.110	24.840	0.059	-0.205	9.03	-10.02	1.950	879	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/26/2014 22:00	63606	15	116	6.605	266.7	10.320	10.500	264.7	7.532	13.780	259.4	5.539	24.830	24.890	24.630	0.063	-0.195	9.71	-9.26	1.888	879	0
04/26/2014 22:15	63607	15	116	6.307	269.4	11.160	10.170	265.7	8.090	13.260	260.1	5.710	24.640	24.700	24.410	0.059	-0.224	10.12	-8.87	1.795	879	0
04/26/2014 22:30	63608	15	116	7.669	266.7	10.980	11.900	264.1	7.339	15.070	259.6	5.801	24.440	24.480	24.190	0.045	-0.247	10.85	-8.13	2.062	879	0
04/26/2014 22:45	63609	15	116	7.243	268.8	12.230	11.180	267.5	10.350	14.820	264.4	8.120	24.110	24.150	23.850	0.045	-0.257	11.63	-7.49	1.955	879	0
04/26/2014 23:00	63610	15	116	7.796	277.2	11.420	11.950	275.3	8.230	15.960	270.3	5.701	23.370	23.380	23.070	0.008	-0.300	14.27	-5.40	2.189	880	0
04/26/2014 23:15	63611	15	116	8.330	282.2	10.860	12.580	280.2	7.363	16.620	274.0	4.654	22.450	22.440	22.090	-0.009	-0.359	17.50	-3.44	1.895	880	0
04/26/2014 23:30	63612	15	116	7.571	279.7	11.140	11.450	277.1	8.000	15.160	272.1	5.310	21.370	21.340	20.990	-0.028	-0.379	20.98	-1.87	1.900	881	0
04/26/2014 23:45	63613	15	116	6.925	273.1	10.010	11.190	271.3	7.785	14.890	266.9	4.965	20.620	20.620	20.310	0.000	-0.310	22.92	-1.28	1.753	881	0
04/27/2014 00:00	63614	15	117	5.587	271.1	9.530	9.180	269.1	6.949	11.970	264.7	4.365	19.840	19.900	19.640	0.061	-0.203	24.79	-0.87	1.872	881	0
04/27/2014 00:15	63615	15	117	4.839	270.1	10.760	7.817	268.7	8.060	10.620	265.4	6.196	19.180	19.300	19.160	0.117	-0.027	26.35	-0.59	1.781	882	0
04/27/2014 00:30	63616	15	117	5.539	273.1	10.510	9.140	272.0	7.333	12.190	267.6	5.467	19.040	19.150	18.980	0.113	-0.063	26.27	-0.75	1.991	882	0
04/27/2014 00:45	63617	15	117	4.898	270.4	10.880	7.968	268.6	7.694	10.530	264.7	5.236	18.590	18.740	18.550	0.148	-0.035	26.80	-0.87	1.873	882	0
04/27/2014 01:00	63618	15	117	4.330	269.6	9.760	7.230	267.2	6.564	10.120	262.5	4.401	18.060	18.240	18.170	0.183	0.110	27.66	-0.88	1.741	882	0
04/27/2014 01:15	63619	15	117	3.700	258.0	10.280	5.624	256.6	7.792	8.400	254.0	3.478	17.470	17.730	17.760	0.267	0.293	28.55	-0.96	1.572	882	0
04/27/2014 01:30	63620	15	117	3.249	257.6	14.030	4.870	254.2	10.260	7.474	250.9	6.276	17.010	17.310	17.350	0.303	0.337	29.37	-0.97	1.381	882	0
04/27/2014 01:45	63621	15	117	3.170	258.7	11.400	4.794	255.4	8.830	7.577	253.1	5.561	16.760	17.080	17.160	0.321	0.400	29.48	-1.14	1.233	882	0
04/27/2014 02:00	63622	15	117	3.075	252.5	12.340	4.613	251.1	8.980	7.372	249.1	5.076	16.380	16.720	16.850	0.337	0.472	29.96	-1.24	1.383	882	0
04/27/2014 02:15	63623	15	117	3.694	260.9	11.730	5.704	258.6	8.620	9.010	253.6	5.065	16.390	16.670	16.800	0.277	0.409	29.70	-1.36	1.460	882	0
04/27/2014 02:30	63624	15	117	4.819	262.1	10.260	7.415	260.1	7.621	10.330	255.6	5.303	16.540	16.810	16.820	0.268	0.284	28.56	-1.76	1.683	882	0
04/27/2014 02:45	63625	15	117	5.231	259.2	10.920	7.907	257.7	8.070	10.540	254.3	6.504	16.550	16.800	16.770	0.243	0.212	27.61	-2.21	1.876	882	0
04/27/2014 03:00	63626	15	117	3.668	249.0	12.190	5.245	246.2	10.150	7.972	242.4	5.873	15.940	16.250	16.260	0.309	0.321	28.30	-2.40	1.434	882	0
04/27/2014 03:15	63627	15	117	3.488	243.5	10.230	4.738	242.1	7.688	6.681	243.9	7.426	15.550	15.860	15.770	0.312	0.228	28.64	-2.58	1.168	882	0
04/27/2014 03:30	63628	15	117	3.137	257.8	11.390	4.815	254.6	7.919	7.600	254.6	4.666	14.940	15.330	15.510	0.384	0.567	29.54	-2.69	1.587	882	0
04/27/2014 03:45	63629	15	117	4.713	263.8	13.110	7.269	263.2	10.910	10.140	262.2	8.060	15.320	15.560	15.570	0.242	0.251	27.30	-3.44	1.634	882	0
04/27/2014 04:00	63630	15	117	4.994	272.6	9.820	8.230	270.4	7.076	11.140	267.3	4.882	15.380	15.570	15.470	0.194	0.096	25.20	-4.44	1.883	882	0
04/27/2014 04:15	63631	15	117	7.332	275.0	11.230	11.570	272.3	7.903	15.230	268.7	6.014	15.270	15.410	15.270	0.140	-0.001	22.72	-5.91	2.038	882	0
04/27/2014 04:30	63632	15	117	6.524	276.2	9.710	10.520	273.6	7.055	14.300	270.1	4.548	14.810	14.940	14.810	0.135	0.002	21.52	-6.99	1.957	882	0
04/27/2014 04:45	63633	15	117	6.083	272.5	10.600	9.760	270.5	7.297	13.810	267.2	4.795	14.330	14.480	14.390	0.148	0.062	21.69	-7.30	1.838	882	0
04/27/2014 05:00	63634	15	117	5.721	266.6	9.710	9.150	264.9	7.130	12.830	262.6	4.836	13.910	14.090	13.990	0.182	0.082	22.68	-7.07	1.932	882	0
04/27/2014 05:15	63635	15	117	6.045	265.8	9.950	9.590	264.5	7.261	13.260	261.5	5.001	13.690	13.840	13.740	0.148	0.052	23.92	-6.56	4.533	882	0
04/27/2014 05:30	63636	15	117	5.508	253.5	11.250	7.745	253.0	8.780	10.760	253.0	6.124	13.530	13.650	13.440	0.110	-0.096	25.35	-5.93	26.990	882	0
04/27/2014 05:45	63637	15	117	4.637	253.7	11.520	6.622	251.8	9.610	9.280	252.5	7.029	13.640	13.650	13.390	0.013	-0.248	26.20	-5.41	80.400	882	0
04/27/2014 06:00	63638	15	117	4.367	242.6	11.570	5.989	241.0	9.190	8.090	244.4	6.905	13.620	13.570	13.220	-0.048	-0.399	27.35	-4.86	113.200	882	0
04/27/2014 06:15	63639	15	117	4.064	249.7	11.840	5.516	248.0	10.420	7.153	248.5	6.913	13.660	13.530	13.160	-0.131	-0.500	28.35	-4.35	157.700	883	0
04/27/2014 06:30	63640	15	117	4.582	259.7	12.630	6.805	257.8	9.240	8.950	255.6	7.118	14.120	13.810	13.330	-0.313	-0.792	27.72	-4.25	237.800	883	0
04/27/2014 06:45	63641	15	117	5.225	267.2	10.460	8.220	265.2	7.739	10.160	261.9	5.973	14.550	14.120	13.560	-0.432	-0.991	26.31	-4.57	308.200	883	0
04/27/2014 07:00	63642	15	117	6.169	266.6	10.200	9.780	263.5	7.330	12.300	260.0	4.794	14.900	14.370	13.680	-0.535	-1.223	24.77	-5.07	378.600	883	0
04/27/2014 07:15	63643	15	117	7.177	276.3	11.470	10.920	272.9	8.060	13.320	265.5	5.290	15.140	14.550	13.840	-0.594	-1.299	23.63	-5.49	450.500	883	0
04/27/2014 07:30	63644	15	117	6.786	272.5	10.960	10.630	270.2	8.430	13.150	266.1	5.720	15.660	14.960	14.150	-0.698	-1.507	22.31	-5.81	520.300	882	0
04/27/2014 07:45	63645	15	117	7.390	275.7	10.560	11.500	273.0	7.643	14.090	267.1	5.020	15.810	15.040	14.200	-0.768	-1.606	20.99	-6.49	586.400	882	0
04/27/2014 08:00	63646	15	117	7.048	279.6	12.110	10.370	276.2	9.280	13.040	269.5	6.843	16.430	15.550	14.670	-0.876	-1.760	19.83	-6.71	649.800	883	0
04/27/2014 08:15	63647	15	117	7.179	273.5	11.450	11.050	270.2	8.050	13.310	264.5	5.342	16.750	15.780	14.870	-0.967	-1.876	18.65	-7.24	716.700	883	0
04/27/2014 08:30	63648	15	117	6.771	262.8	12.330	10.100	260.9	9.060	12.600	256.2	6.288	17.380	16.250	15.210	-1.132	-2.171	17.82	-7.31	776.900	883	0
04/27/2014 08:45	63649	15	117	7.076	265.1	11.620	10.660	262.7	9.690	13.250	257.0	8.490	17.950	16.800	15.700	-1.143	-2.249	16.93	-7.51	833.000	882	0
04/27/2014 09:00	63650	15	117	8.400	264.8	13.680	12.340	261.6	11.200	14.860	255.8	9.070	18.260	17.100	16.060	-1.163	-2.198	16.12	-7.89	890.000	882	0
04/27/2014 09:15	63651	15	117	7.684	268.0	12.620	11.800	265.8	9.730	14.180	261.3	8.660	18.750	17.480	16.400	-1.268	-2.347	15.61	-7.91	944.000	882	0
04/27/2014 09:30	63652	15	117	8.270	262.8	11.010	12.370	260.6	8.590	14.900	256.4	6.032	19.090	17.740	16.510	-1.358	-2.581	14.68	-8.43	999.000	882	0
04/27/2014 09:45	63653	15	117	8.260	263.7	13.370	12.340	260.9	10.520	15.400	257.0	7.858	19.750	18.410	17.180	-1.345	-2.570	13.47	-9.01	1018.000	882	0
04/27/2014 10:00	63654	15	117	10.770	254.7	10.940	14.980	252.9	9.010	18.590	248.5	5.970	19.890	18.720	17.400	-1.174	-2.491	12.21	-10.16	1078.000	882	0
04/27/2014 10:15	63655	15	117	9.670	255.1	11.540	13.480	253.0	9.230	17.200	247.9	6.690	20.280	18.950	17.570	-1.325	-2.700	12.33	-9.73	1115.000	882	0
04/27/2014 10:30	63656	15	117	10.340	255.3	11.710	14.400	253.0	9.320	18.180	248.8	6.599	20.470	19.130	17.700	-1.340	-2.768	11.58	-10.37	1145.000	882	0
04/27/2014 10:45	63657	15	117	10.680	259.5	11.260	15.450	257.4	8.210	19.020	253.0	5.972	20.790	19.460	18.000	-1.336	-2.795	10.79	-11.02	1173.000	882	0
04/27/2014 11:00	63658	15	117	9.940	259.7	11.670	14.460	257.4	9.150	18.060	252.9	6.739	21.180	19.770	18.300	-1.408	-2.882	10.49	-11.08	1198.000	881	0
04/27/2014 11:15	63659	15	117	10.330	258.7	13.830	14.850	256.8	11.390	18.420	253.5	9.400	21.500	20.080	18.640	-1.415	-2.856	10.40	-10.95	1217.000	881	0
04/27/2014 11:30	63660	15	117	9.730	266.2	12.850	14.560	263.0	10.610	17.870	258.5	7.989	21.740	20.290	18.830	-1.453	-2.905	9.98	-11.28	1232.000	881	0
04/27/2014 11:45	63661	15	117	10.160	265.7	11.790	15.510	263.6	9.450	19.210	258.2	7.279	21.940	20.570	18.990	-1.374	-2.955	9.41	-11.87	1248.000	881	0
04/27/2014 12:00	63662	15	117	10.600	264.1	11.810	15.910	261.3	9.320	19.420	257.0	7.004	22.120	20.710	19.280	-1.409	-2.833	9.02	-12.27	1238.000	881	0
04/27/2014 12:15	63663	15	117	9.880	262.6	13.300	14.510	260.1	10.650	18.140	256.4	8.620	22.510	21.090	19.640	-1.423	-2.869	8.91	-12.12	1250.000	880	0
04/27/2014 12:30	63664	15	117	10.770	262.5	12.880	15.820	260.3	10.490	19.570	256.0	8.150	22.390	21.050	19.570	-1.349	-2.827	8.86	-12.29	1244.000	880	0

WIPP Valid Metdata 4-21-14 to 4-28-14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
04/27/2014 12:45	63665	15	117	9.700	275.0	13.450	14.810	272.8	10.580	17.970	266.9	7.922	22.510	20.970	19.700	-1.539	-2.811	9.14	-11.80	1224.000	880	0
04/27/2014 13:00	63666	15	117	9.400	271.4	12.520	14.450	268.3	9.810	17.680	263.9	8.130	22.740	21.230	19.840	-1.512	-2.903	9.44	-11.21	1208.000	880	0
04/27/2014 13:15	63667	15	117	8.900	264.3	15.130	12.600	262.7	12.270	15.430	259.0	10.380	22.960	21.430	20.100	-1.524	-2.855	10.05	-10.25	1187.000	880	0
04/27/2014 13:30	63668	15	117	9.100	265.5	17.050	12.670	261.6	14.680	15.720	258.7	12.050	22.950	21.440	20.070	-1.512	-2.880	10.38	-9.84	1158.000	880	0
04/27/2014 13:45	63669	15	117	8.280	270.3	14.410	11.970	267.6	11.750	14.630	262.5	9.990	22.940	21.510	20.210	-1.432	-2.728	10.45	-9.75	1131.000	880	0
04/27/2014 14:00	63670	15	117	7.914	267.7	14.230	11.850	266.0	11.410	14.450	261.1	9.930	23.190	21.750	20.390	-1.442	-2.800	10.69	-9.28	1091.000	880	0
04/27/2014 14:15	63671	15	117	8.160	267.8	12.350	12.470	264.9	9.770	15.300	259.9	7.797	23.070	21.580	20.340	-1.493	-2.733	10.85	-9.17	1047.000	880	0
04/27/2014 14:30	63672	15	117	8.700	266.9	12.800	12.890	264.6	10.890	15.780	260.6	9.080	23.140	21.800	20.520	-1.340	-2.614	11.23	-8.69	1006.000	880	0
04/27/2014 14:45	63673	15	117	7.958	273.5	11.570	12.200	271.2	8.740	15.150	266.2	6.424	23.280	21.950	20.780	-1.337	-2.503	11.50	-8.26	947.000	880	0
04/27/2014 15:00	63674	15	117	8.600	264.6	12.830	12.710	262.0	9.120	15.460	257.9	6.975	23.200	21.900	20.660	-1.298	-2.535	11.54	-8.28	908.000	880	0
04/27/2014 15:15	63675	15	117	7.907	272.7	12.510	11.930	269.5	10.650	14.940	265.0	9.200	23.470	22.310	21.150	-1.160	-2.325	11.32	-8.33	839.000	880	0
04/27/2014 15:30	63676	15	117	7.812	274.0	14.420	11.170	271.9	12.350	13.410	267.6	9.920	23.440	22.250	21.190	-1.196	-2.254	11.12	-8.57	808.000	879	0
04/27/2014 15:45	63677	15	117	7.721	275.4	13.880	11.470	272.8	11.040	14.100	267.8	8.390	23.610	22.540	21.550	-1.069	-2.053	11.06	-8.52	734.400	879	0
04/27/2014 16:00	63678	15	117	8.160	287.5	14.580	10.490	284.6	11.040	13.700	279.0	8.330	23.510	22.570	21.590	-0.942	-1.925	10.88	-8.79	678.000	879	0
04/27/2014 16:15	63679	15	117	7.334	264.4	12.180	11.440	262.9	9.640	14.350	258.5	8.400	23.420	22.490	21.520	-0.935	-1.907	11.16	-8.54	580.400	879	0
04/27/2014 16:30	63680	15	117	7.215	268.4	12.400	11.020	266.8	10.670	13.880	262.9	9.040	23.450	22.630	21.750	-0.828	-1.705	11.18	-8.49	544.700	880	0
04/27/2014 16:45	63681	15	117	7.612	271.1	12.710	11.810	268.6	10.130	14.780	264.2	8.480	23.210	22.480	21.620	-0.727	-1.585	11.34	-8.51	478.000	880	0
04/27/2014 17:00	63682	15	117	7.921	274.8	13.870	11.830	271.9	11.430	14.750	266.7	9.480	23.010	22.370	21.660	-0.633	-1.343	11.34	-8.65	420.500	880	0
04/27/2014 17:15	63683	15	117	7.074	273.2	12.020	11.000	270.8	9.140	14.050	264.8	7.080	23.010	22.440	21.720	-0.561	-1.284	11.41	-8.59	366.600	880	0
04/27/2014 17:30	63684	15	117	7.898	268.6	11.800	12.450	266.9	8.510	15.650	261.6	6.480	22.600	22.210	21.600	-0.388	-1.005	11.68	-8.60	260.700	880	0
04/27/2014 17:45	63685	15	117	7.445	266.8	11.670	11.480	264.3	9.400	14.780	259.9	6.275	22.140	21.890	21.360	-0.256	-0.787	11.99	-8.61	178.600	880	0
04/27/2014 18:00	63686	15	117	7.732	257.7	11.250	11.270	255.5	8.990	14.810	251.5	6.305	21.790	21.660	21.200	-0.136	-0.589	12.29	-8.57	116.300	880	0
04/27/2014 18:15	63687	15	117	7.352	259.7	9.790	10.770	257.2	7.813	13.850	253.0	5.298	21.450	21.420	21.050	-0.029	-0.403	12.82	-8.29	61.760	880	0
04/27/2014 18:30	63688	15	117	6.595	259.7	11.140	9.870	258.2	8.750	13.520	253.9	6.018	21.040	21.110	20.820	0.074	-0.212	13.32	-8.13	21.960	880	0
04/27/2014 18:45	63689	15	117	6.398	259.8	10.580	9.480	257.0	7.573	12.620	251.6	5.278	20.630	20.760	20.510	0.126	-0.127	13.58	-8.20	5.173	881	0
04/27/2014 19:00	63690	15	117	6.419	261.6	10.610	9.600	259.2	7.855	12.590	255.6	5.261	20.360	20.500	20.280	0.149	-0.071	13.87	-8.15	2.223	881	0
04/27/2014 19:15	63691	15	117	6.268	262.5	9.970	9.510	259.0	7.928	12.750	254.9	5.368	20.130	20.310	20.120	0.174	-0.013	14.18	-8.04	2.064	881	0
04/27/2014 19:30	63692	15	117	6.340	259.9	9.210	9.100	258.1	7.201	12.560	254.6	4.748	19.930	20.100	19.940	0.174	0.019	14.43	-7.98	1.899	881	0
04/27/2014 19:45	63693	15	117	6.024	260.0	10.030	8.850	256.5	7.847	12.300	252.9	5.119	19.780	19.970	19.830	0.194	0.055	14.54	-8.00	1.824	881	0
04/27/2014 20:00	63694	15	117	5.447	258.8	10.120	7.863	256.6	8.070	11.160	253.1	4.898	19.500	19.730	19.620	0.223	0.116	14.81	-7.98	1.797	882	0
04/27/2014 20:15	63695	15	117	5.068	258.4	10.250	7.368	255.9	7.351	10.460	252.4	4.847	19.240	19.480	19.430	0.242	0.191	14.99	-8.04	1.588	882	0
04/27/2014 20:30	63696	15	117	4.812	257.9	10.160	7.104	254.8	7.886	10.440	252.1	4.590	19.090	19.360	19.340	0.275	0.246	15.03	-8.12	1.759	882	0
04/27/2014 20:45	63697	15	117	4.265	256.9	11.170	6.364	254.0	8.610	10.040	251.3	4.687	18.800	19.120	19.170	0.316	0.368	15.28	-8.14	1.767	882	0
04/27/2014 21:00	63698	15	117	4.596	254.1	10.480	6.482	252.0	8.300	9.750	249.8	5.308	18.770	19.050	19.080	0.277	0.305	15.49	-7.99	1.590	883	0
04/27/2014 21:15	63699	15	117	4.341	259.7	10.700	6.381	257.1	8.050	9.910	254.7	5.612	18.610	18.910	18.970	0.294	0.357	15.48	-8.13	1.562	883	0
04/27/2014 21:30	63700	15	117	3.607	265.2	9.840	5.784	263.4	7.102	8.770	262.0	4.835	18.220	18.570	18.770	0.351	0.553	15.87	-8.13	1.511	883	0
04/27/2014 21:45	63701	15	117	3.742	277.3	11.350	6.060	275.3	8.110	9.200	271.6	6.053	18.270	18.600	18.850	0.334	0.581	16.09	-7.91	1.625	883	0
04/27/2014 22:00	63702	15	117	4.046	285.2	10.870	5.771	283.9	7.848	8.810	280.1	5.551	18.540	18.830	18.900	0.289	0.363	15.74	-7.98	1.476	883	0
04/27/2014 22:15	63703	15	117	3.244	278.0	13.480	5.059	278.1	9.830	7.255	278.8	6.459	18.310	18.690	18.740	0.375	0.430	15.92	-8.01	1.470	884	0
04/27/2014 22:30	63704	15	117	2.597	246.1	15.740	3.838	243.4	12.770	6.173	244.3	11.470	17.210	17.780	17.980	0.571	0.769	17.24	-7.88	1.209	884	0
04/27/2014 22:45	63705	15	117	2.274	259.0	15.250	3.723	250.0	11.700	6.795	241.4	7.164	16.430	17.090	17.620	0.667	1.191	18.58	-7.55	1.345	884	0
04/27/2014 23:00	63706	15	117	2.514	253.4	11.330	4.053	251.7	7.781	6.804	256.7	6.804	16.860	17.610	18.130	0.744	1.266	18.11	-7.53	1.322	884	0
04/27/2014 23:15	63707	15	117	1.738	264.6	20.810	3.112	256.5	12.630	5.526	259.3	7.239	15.910	16.990	17.880	1.080	1.970	19.64	-7.26	1.169	884	0
04/27/2014 23:30	63708	15	117	1.451	253.4	10.130	2.921	246.4	7.721	4.517	254.6	6.910	14.960	16.890	17.750	1.929	2.788	21.11	-7.12	1.131	885	0
04/27/2014 23:45	63709	15	117	1.431	265.6	11.560	3.500	261.6	6.060	4.744	269.0	5.856	14.630	16.790	17.780	2.166	3.154	21.87	-6.93	1.207	885	0
04/28/2014 00:00	63710	15	118	1.824	284.9	9.960	3.814	278.5	6.704	4.926	278.4	4.760	15.010	16.820	17.610	1.810	2.597	21.53	-6.82	1.274	885	0

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	02/15/2014	36	---	**4.88E+01**	Below MDC	**3.67E+00**	51.44	**1.58E-02**	N/A	**1.19E-03**
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/18/2014	2.4	---	**2.70E-01**	Below MDC	Below MDC	*242.65*	**1.85E-05**	N/A	N/A
WIPP East (WEE)*	AL-WEE-20140212-1.1	02/17/2014	7.29/4.4	---	**5.73E-01**	Below MDC	Below MDC	208.89	**4.57E-05**	N/A	N/A
WIPP South (WSS)*	AL-WSS-20140212-1.1	02/17/2014	7.47/3.7	---	**1.41E-01**	Below MDC	Below MDC	207.82	**1.13E-05**	N/A	N/A
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	02/18/2014	2.7	---	Below MDC	Below MDC	Below MDC	269.12	N/A	N/A	N/A
Smith Ranch (SMR)*	AL-SMR-20140212-1.1	02/18/2014	4.2	---	**2.44E-01**	Below MDC	Below MDC	270.95	**1.50E-05**	N/A	N/A
Carlsbad (CBD)*	AL-CBD-20140212-1.1	02/18/2014	1.6	---	Below MDC	Below MDC	Below MDC	263.07	N/A	N/A	N/A
Southeast Control (SEC)*	AL-SEC-20140212-1.2	02/18/2014	1.3	---	Below MDC	Below MDC	Below MDC	266.42	N/A	N/A	N/A
Southeast Control (SEC) co-located sample*	AL-SEC-20140212-2.2	02/18/2014	1.5	---	Below MDC	Below MDC	Below MDC	271.13	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/26/2014	---	1.89	Below MDC	Below MDC	Below MDC	653.09	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140219-1.1	02/26/2014	---	2.48	Below MDC	Below MDC	Below MDC	738.49	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	730.49	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140219-1.1	02/26/2014	---	2.57	Below MDC	Below MDC	Below MDC	675.95	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	634.00	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140219-1.1	02/26/2014	---	1.12	Below MDC	Below MDC	Below MDC	663.97	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140219-1.2	02/26/2014	---	2.66	Below MDC	Below MDC	Below MDC	675.60	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140219-2.2	02/26/2014	---	1.38	Below MDC	Below MDC	Below MDC	642.96	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	03/04/2014	---	4.21	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140226-1.1	03/04/2014	---	4.90	Below MDC	Below MDC	Below MDC	478.96	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140226-1.1	03/04/2014	---	3.26	Below MDC	Below MDC	Below MDC	474.43	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	476.20	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140226-1.1	03/04/2014	---	7.13	Below MDC	Below MDC	Below MDC	470.20	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	482.31	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140226-1.2	03/04/2014	---	4.72	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140226-2.2	03/04/2014	---	6.70	Below MDC	Below MDC	Below MDC	481.39	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	549.12	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	559.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.12	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	543.88	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	561.30	N/A	N/A	N/A

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Southeast Control (SEC)	AL-SEC-20140304-1.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	557.78	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140304-2.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	552.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	447.76	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	535.87	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	538.77	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	521.72	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	563.14	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.45	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	581.65	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	496.70	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140311-1.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	545.09	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140311-2.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	522.38	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	569.51	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.26	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	560.11	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	551.04	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	583.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	598.84	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	595.58	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.38	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.55	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140318-1.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	586.87	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140318-2.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	563.63	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	591.75	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	585.15	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	582.60	N/A	N/A	N/A

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)	AL-WFF-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	546.07	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	554.61	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	542.58	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	518.92	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.42	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	528.06	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	507.26	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	536.26	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	539.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	545.42	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.10	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	531.54	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	562.46	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140401-2.2	04/08/2014			Below MDC	Below MDC	Below MDC	579.51	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	574.86	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	581.57	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140401-2.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	559.08	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	575.98	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	586.62	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	584.84	N/A	N/A	N/A

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)	AL-WFF-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	571.20	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.06	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	568.60	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	570.74	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.62	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	562.71	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	558.63	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	569.36	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	575.62	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	546.29	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	573.83	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.78	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.94	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	397.41	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	406.71	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	403.69	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	426.89	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140415-1.2	04/22/2014	---	---				551.76			
WIPP Far Field (WFF) co-located	AL-WFF-20140415-2.2	04/22/2014	---	---				555.76			
WIPP East (WEE)	AL-WEE-20140415-1.1	04/22/2014	---	---				557.36			
WIPP South (WSS)	AL-WSS-20140415-1.1	04/22/2014	---	---				543.32			
Mills Ranch (MLR)	AL-MLR-20140415-1.1	04/22/2014	---	---				544.58			
Carlsbad (CBD)	AL-CBD-20140415-1.2	04/22/2014	---	---				539.80			
Carlsbad (CBD) co-located sample	AL-CBD-20140415-2.2	04/22/2014	---	---				551.16			
Smith Ranch (SMR)	AL-SMR-20140415-1.1	04/22/2014	---	---				544.84			
Southeast Control (SEC)	AL-SEC-20140415-1.1	04/22/2014	---	---				554.07			
Meteorology Tower Building (MET)†	AL-MET-20140415-1.1	04/22/2014	---	---				553.51			
Salt Hoist (SLT)†	AL-SLT-20140415-1.1	04/22/2014	---	---				565.83			

Environmental Monitoring & Hydrology Airborne Particulates Sampling

April 27, 2014

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Southeast of Training Building (STB)†	AL-STB-20140415-1.1	04/22/2014	---	---				562.97			
Guard and Security Building (GSB)‡	AL-GSB-20140415-1.1	04/22/2014	---	---				555.39			
Artesia (ART)§	AL-ART-20140415-1.1	04/22/2014	---	---				551.87			
Eunice (EUN)§	AL-EUN-20140415-1.1	04/22/2014	---	---				570.52			
Hobbs (HBS)§	AL-HBS-20140415-1.1	04/22/2014	---	---				556.26			
Loving (LVG)§	AL-LVG-20140415-1.1	04/22/2014	---	---				545.64			

* Filter volumes based on an adjusted filter installation date. This date was changed from the actual filter installation date to the date of the release which occurred at 23:30 hours on 2/14/14.

† This sampling location was initiated on March 4, 2014.

‡ This sampling location was initiated on March 25, 2014.

§ This sampling location was initiated on April 10, 2014.

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation. Shaded cells in the table represent samples identified as a detectable concentration.

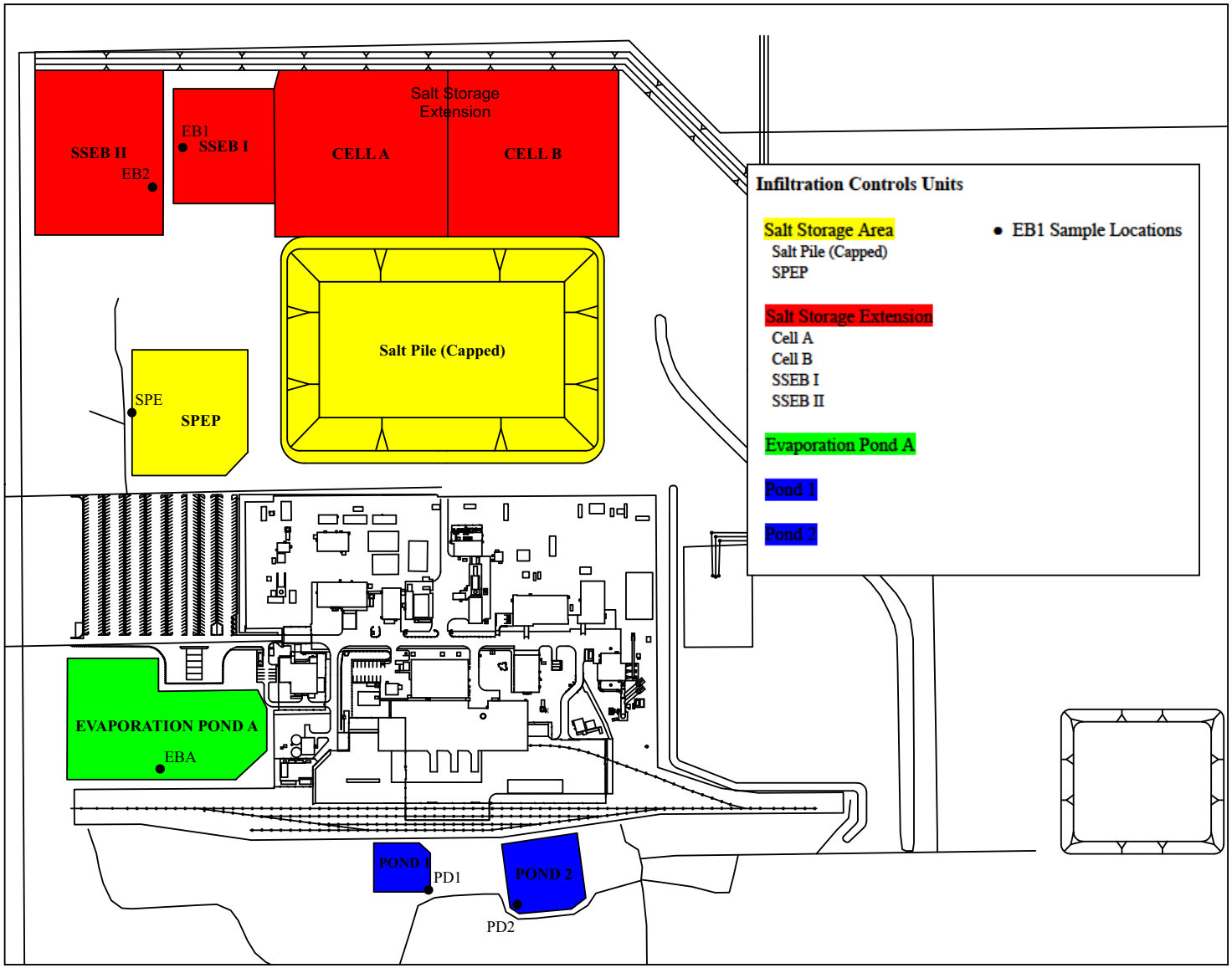
MDC ranges are:

MDC Am-241 (dpm/sample): 1.89E-02 to 5.05E-01

MDC Pu-238 (dpm/sample): 1.89E-02 to 1.57E+01

MDC Pu-239/240 (dpm/sample): 1.70E-02 to 5.94E-01

Surface Water Sample Locations



Environmental Monitoring & Hydrology Surface Water Sampling

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
SWIC Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Evaporation Basin A	WS-EBA-20140219-2.2	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin II	WS-EB2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140302-1.2	3/2/2014	**9.69E-01**	Below MDC	**7.48E-02**
Sample of Opportunity*	WS-SOO-20140302-2.2	3/2/2014	**3.93E-01**	Below MDC	Below MDC
Blank	WS-BLK-20140302-1.1	3/2/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-1.2	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-2.2	3/12/2014	Below MDC	Below MDC	Below MDC
Fresh Water Tank	WS-FWT-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Tut Tank	WS-TUT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Pierce Canyon	WS-PCN-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	WS-CBD-20140313-1.2	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	WS-CBD-20140313-2.2	3/13/2014	Below MDC	Below MDC	Below MDC
Brantley Lake	WS-BRA-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Upper Pecos River	WS-UPR-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Coyote Well	WS-COW-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-1.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140316-2.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-3.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-4.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Blank)	WS-SOO-20140316-5.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity	WS-SOO-20140326-1.2	3/26/2014			
Sample of Opportunity	WS-SOO-20140326-2.2	3/26/2014			
Blank	WS-BLK-20140326-1.1	3/26/2014			
Sewage Lagoons	WS-SWL-20140416-1.1	4/16/2014			
SWIC Pond 1	WS-PD1-20140423-1.1	4/23/2014			
SWIC Pond 2	WS-PD2-20140423-1.2	4/23/2014			
SWIC Pond 2	WS-PD2-20140423-2.2	4/23/2014			
Evaporation Pond A	WS-EPA-20140423-1.1	4/23/2014			
Blank	WS-BLK-20140423-1.1	4/23/2014			

* These samples were collected during a rain event. The samples were taken from the WIPP site building roof top and roadway drainage. Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity, and represents the only signature of deposition close to the release that has been identified to date.

† These samples were collected during a second opportunistic rain event. The samples were taken from the WIPP site building roof top and roadway drainage. The results show that the first rain event reduced the contamination from the building roof top and roadway drainage to less than detectable concentrations.

Environmental Monitoring & Hydrology Surface Water Sampling

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs. Shaded cells in the table represent samples identified as a detectable concentration. Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available.

MDC ranges are:

MDC Am-241 (dpm/L): 4.53E-02 to 7.80E-02

MDC Pu-238 (dpm/L): 3.63E-03 to 5.53E-02

MDC Pu-239/240 (dpm/L): 3.13E-02 to 5.92E-02

Environmental Monitoring & Hydrology Sediment Sampling

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Red Tank	SB-RED-20140312-1.1	3/12/2014			
Bottom of the Hill Tank	SB-BHT-20140312-1.1	3/12/2014			
Noya Tank	SB-NOY-20140312-1.1	3/12/2014			
Hill Tank	SB-HIL-20140312-1.2	3/12/2014			
Hill Tank	SB-HIL-20140312-2.2	3/12/2014			
Lost Tank	SB-LST-20140312-1.1	3/12/2014			
Tut Tank	SB-TUT-20140313-1.1	3/13/2014			
Pierce Canyon	SB-PCN-20140313-1.1	3/13/2014			
Carlsbad	SB-CBD-20140313-1.2	3/13/2014			
Carlsbad	SB-CBD-20140313-2.2	3/13/2014			
Poker Trap	SB-PKT-20140313-1.1	3/13/2014			
Indian Tank	SB-IND-20140313-1.1	3/13/2014			
Brantley	SB-BRA-20140314-1.1	3/14/2014			
Upper Pecos River	SB-UPR-20140314-1.1	3/14/2014			

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs. Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available.

MDC ranges are:

MDC Am-241 (dpm/g): Ranges will be added when results are available

MDC Pu-238 (dpm/g): Ranges will be added when results are available

MDC Pu-239/240 (dpm/g): Ranges will be added when results are available

Environmental Monitoring & Hydrology Biota Sampling - Fauna

April 27, 2014

Tissue Type/Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Biotic Quail/WIPP East	BQ-WEE-20140325-1.1	3/25/2014			

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs.

MDC ranges are:

MDC Am-241 (dpm/g): Ranges will be added when results are available

MDC Pu-238 (dpm/g): Ranges will be added when results are available

MDC Pu-239/240 (dpm/g): Ranges will be added when results are available

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-20140221-1.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP East	BV-WEE-20140221-1.1	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP South	BV-WSS-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Southeast Control	BV-SEC-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
GPS Location 1*	BV-SOO-20140319-1.1	3/19/2014			
GPS Location 2*	BV-SOO-20140319-1.2	3/19/2014			
GPS Location 3*	BV-SOO-20140319-1.3	3/19/2014			
GPS Location 4*	BV-SOO-20140319-1.4	3/19/2014			
GPS Location 5*	BV-SOO-20140321-1.5	3/21/2014			
GPS Location 6*	BV-SOO-20140321-1.6	3/21/2014			
GPS Location 7*	BV-SOO-20140320-1.7	3/20/2014			
GPS Location 8*	BV-SOO-20140321-1.8	3/21/2014			
GPS Location 9*	BV-SOO-20140320-1.9	3/20/2014			
GPS Location 10*	BV-SOO-20140319-1.10	3/19/2014			
GPS Location 11*	BV-SOO-20140319-1.11	3/19/2014			
GPS Location 12*	BV-SOO-20140319-1.12	3/19/2014			
GPS Location 13*	BV-SOO-20140319-1.13	3/19/2014			
GPS Location 14*	BV-SOO-20140319-1.14	3/19/2014			
GPS Location 15*	BV-SOO-20140319-1.15	3/19/2014			
GPS Location 16*	BV-SOO-20140319-1.16	3/19/2014			
GPS Location 17*	BV-SOO-20140320-1.17	3/20/2014			
GPS Location 18*	BV-SOO-20140320-1.18	3/20/2014			
GPS Location 19*	BV-SOO-20140320-1.19	3/20/2014			
GPS Location 20*	BV-SOO-20140319-1.20	3/19/2014			
GPS Location 21*	BV-SOO-20140319-1.21	3/19/2014			
GPS Location 22*	BV-SOO-20140320-1.22	3/20/2014			
GPS Location 23*	BV-SOO-20140320-1.23	3/20/2014			
GPS Location 24*	BV-SOO-20140319-1.24	3/19/2014			
GPS Location 25*	BV-SOO-20140319-1.25	3/19/2014			
GPS Location 26*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 27*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 28*	BV-SOO-20140321-1.28	3/21/2014			
GPS Location 29*	BV-SOO-20140321-1.29	3/21/2014			
GPS Location 10 (Duplicate)*	BV-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (Duplicate)*	BV-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (Duplicate)*	BV-SOO-20140321-2.6	3/21/2014			

* These sampling sites are being accounted for via GPS location identifiers and field stakes.

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs. Vegetation samples were collected adjacent to air sampling locations.

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)

MDC ranges are:

MDC Am-241 (dpm/g): 3.33E-02 to 3.38E-02

MDC Pu-238 (dpm/g): 2.09E-02 to 2.17E-02

MDC Pu-239/240 (dpm/g): 1.37E-02 to 1.44E-02

Environmental Monitoring & Hydrology Soil Sampling

April 27, 2014

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm)*	SS-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	**4.06E-02**
Mills Ranch Intermediate Sample (2-5 cm)	SI-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Deep Sample (5-10 cm)	SD-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Intermediate Sample (2-5 cm)	SI-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Deep Sample (5-10 cm)	SD-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 1 (0-2 cm)†	SS-SOO-20140319-1.1	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014			
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014			

Environmental Monitoring & Hydrology Soil Sampling

April 27, 2014

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014			
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014			
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014			
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014			
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014			
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014			
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014			
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014			
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014			
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014			
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014			
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014			
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014			
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014			
GPS Location 10 (0-2 cm) (Duplicate)†	SS-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (0-2 cm) (Duplicate)†	SS-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (0-2 cm) (Duplicate)†	SS-SOO-20140321-2.6	3/21/2014			

* The detection in this sample is within the range of historical results for this location. Value updated as a result of reanalysis by the analytical laboratory.

† These sampling sites are being accounted for via GPS location identifiers and field stakes.

Note: Blank cells in the table represent samples that have been taken and are undergoing analyses by WIPP Labs. Shaded cells in the table represent samples identified as a detectable concentration. Radionuclides are considered detected in an environmental sample if the measured concentration or activity is greater than the MDC and greater than the total propagated uncertainty (TPU) at the 2 sigma (σ) TPU level. To show a non-detect "Below MDC" is used in the Table. The MDC is the lowest concentration measurement that can be detected by laboratory instrumentation; the TPU is an estimate of uncertainty in the measurement from all sources.

Minimum detectable concentration (MDC) ranges are:

MDC Am-241 (dpm/g): 2.85E-02 to 4.12E-02

MDC Pu-238 (dpm/g): 1.61E-02 to 2.96E-02

MDC Pu-239/240 (dpm/g): 3.17E-03 to 3.56E-02

Site Environmental Compliance Salt Pile Sampling

April 27, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
South Face of Salt Pile	WST-14-012	3/13/2014	Below MDC	Below MDC	Below MDC
East Face of Salt Pile	WST-14-013	3/13/2014	Below MDC	Below MDC	Below MDC
West Face of Salt Pile	WST-14-014	3/13/2014	Below MDC	Below MDC	Below MDC
South Ridge of Salt Pile, South of Salt Pile	WST-14-015	3/13/2014	Below MDC	Below MDC	Below MDC
North Ridge of Salt Pile, North of Salt Pile	WST-14-016	3/13/2014	Below MDC	Below MDC	Below MDC
South Face of Salt Pile (Duplicate)	WST-14-017	3/13/2014	Below MDC	Below MDC	Below MDC

Samples collected at the salt pile per procedure WP 02-EC1001.

MDC ranges are:

MDC Am-241 (dpm/g): 4.17E-02 to 5.03E-02

MDC Pu-238 (dpm/g): 2.84E-02 to 4.38E-02

MDC Pu-239/240 (dpm/g): 2.18E-02 to 2.43E-02

Attachment 5
Filter Differential Pressures

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/21/2014 0:00	1.801409241	0.582195091	1.025426149	1.044255842	1.378585752	0.629596829	1.238356109	1.212489975
4/21/2014 0:30	1.799590104	0.582251299	1.024315323	1.050685585	1.389541533	0.629596829	1.239283104	1.214733954
4/21/2014 1:00	1.799249646	0.582307507	1.025320752	1.051650512	1.38592643	0.629596829	1.236413463	1.211983887
4/21/2014 1:30	1.799485423	0.582363716	1.025498211	1.050992628	1.384905973	0.629596829	1.237422808	1.212708799
4/21/2014 2:00	1.803310067	0.582419924	1.02253883	1.051569755	1.390042289	0.629596829	1.238590358	1.216334533
4/21/2014 2:30	1.806103761	0.582476132	1.026172828	1.051216268	1.391898176	0.629596829	1.237854243	1.213436055
4/21/2014 3:00	1.811178207	0.58287054	1.026254162	1.053139936	1.396995321	0.629596829	1.241761365	1.219249135
4/21/2014 3:30	1.812388944	0.582986717	1.025516192	1.050425301	1.397862649	0.629596829	1.24069374	1.21884647
4/21/2014 4:00	1.814276213	0.582764695	1.030456137	1.053417858	1.39752453	0.629596829	1.239992065	1.21852189
4/21/2014 4:30	1.813561232	0.582542672	1.029946124	1.054309561	1.398268183	0.629596829	1.241206954	1.216596614
4/21/2014 5:00	1.809563677	0.582320649	1.026626729	1.051877143	1.397510425	0.629596829	1.239872419	1.215541075
4/21/2014 5:30	1.812867188	0.582098627	1.030618229	1.053800452	1.396474324	0.629596829	1.242015266	1.217840999
4/21/2014 6:00	1.814200394	0.581876604	1.027007553	1.050564929	1.399673994	0.629596829	1.241689612	1.221778316
4/21/2014 6:30	1.8139342	0.581654582	1.025710496	1.05258487	1.399347071	0.629596829	1.243308359	1.220626239
4/21/2014 7:00	1.817078169	0.581432559	1.027520324	1.055792778	1.400564104	0.629596829	1.242538142	1.219684821
4/21/2014 7:30	1.810629374	0.581210536	1.031286055	1.055207039	1.397220904	0.629596829	1.245095676	1.220332227
4/21/2014 8:00	1.804194181	0.580988514	1.033235156	1.052287746	1.38908693	0.629596829	1.246586362	1.221714885
4/21/2014 8:30	1.79559743	0.580766491	1.030686378	1.056822826	1.383864305	0.629596829	1.244365479	1.22334182
4/21/2014 9:00	1.788126724	0.580544468	1.030913786	1.053812884	1.376647238	0.629596829	1.243267633	1.217719796
4/21/2014 9:30	1.781031139	0.580322446	1.030315018	1.051136653	1.372085843	0.629596829	1.239834153	1.220022218
4/21/2014 10:00	1.770957583	0.580100423	1.030192324	1.054421225	1.365088676	0.629596829	1.238476294	1.217123867
4/21/2014 10:30	1.762701247	0.579878401	1.026551932	1.051380808	1.357326139	0.629596829	1.237752532	1.21425829
4/21/2014 11:00	1.758246815	0.579656378	1.024834181	1.0478714	1.353569947	0.629596829	1.235591949	1.212300462
4/21/2014 11:30	1.749107987	0.579434355	1.02488088	1.045130581	1.34687173	0.629596829	1.233606237	1.213648461
4/21/2014 12:00	1.7456073	0.579212333	1.024651999	1.048462124	1.343682094	0.629596829	1.2344471	1.211365613
4/21/2014 12:30	1.73833434	0.57899031	1.024892019	1.051705631	1.337337736	0.629596829	1.231252219	1.206758393
4/21/2014 13:00	1.733562233	0.578768288	1.02356512	1.048430758	1.336961781	0.629596829	1.232217822	1.208703762
4/21/2014 13:30	1.730876172	0.576299717	1.022801204	1.047030097	1.333720569	0.629596829	1.233292452	1.209505976
4/21/2014 14:00	1.726013476	0.574152653	1.020757134	1.048973305	1.329804191	0.629596829	1.231592087	1.208956173
4/21/2014 14:30	1.725953156	0.574252139	1.019362809	1.049330899	1.327550847	0.629596829	1.230628037	1.207468753
4/21/2014 15:00	1.724230237	0.574351624	1.021876847	1.05063213	1.324322865	0.629596829	1.230150348	1.20467258
4/21/2014 15:30	1.718618495	0.574451109	1.023195138	1.049256286	1.324922002	0.629596829	1.227741191	1.204591716
4/21/2014 16:00	1.716435239	0.574550594	1.021685839	1.046926596	1.321464042	0.629596829	1.228933253	1.205730676
4/21/2014 16:30	1.71510689	0.574650079	1.020031812	1.046201984	1.322041648	0.629596829	1.229448981	1.203473029
4/21/2014 17:00	1.715827841	0.574749564	1.019180825	1.045652865	1.321604181	0.629596829	1.22598508	1.205941378
4/21/2014 17:30	1.717479596	0.574849049	1.020867411	1.048991348	1.320626434	0.629596829	1.228732604	1.204506609
4/21/2014 18:00	1.717264104	0.574948534	1.019417826	1.049666209	1.321615286	0.629596829	1.227747435	1.205197453
4/21/2014 18:30	1.71612421	0.575048019	1.019600475	1.048965189	1.320840018	0.629596829	1.226285258	1.205800036
4/21/2014 19:00	1.717257969	0.575147504	1.018734778	1.050636855	1.323526717	0.629596829	1.227694617	1.204942407
4/21/2014 19:30	1.720932159	0.57524699	1.018735946	1.047926079	1.32555624	0.629596829	1.23010014	1.207247155
4/21/2014 20:00	1.727150054	0.575346475	1.019023438	1.05291302	1.329808563	0.629596829	1.231098535	1.206587557
4/21/2014 20:30	1.727878104	0.57544596	1.018770413	1.052667966	1.332055266	0.629596829	1.232409194	1.209516456
4/21/2014 21:00	1.732615291	0.575545445	1.022090048	1.0573138	1.33346878	0.629596829	1.232522692	1.212134555
4/21/2014 21:30	1.730806656	0.57564493	1.025359062	1.055795456	1.335501832	0.629596829	1.235605186	1.211806559
4/21/2014 22:00	1.732376507	0.575744415	1.026241841	1.056737834	1.335540435	0.629596829	1.233993122	1.209870425
4/21/2014 22:30	1.732719419	0.5758439	1.027668067	1.056558416	1.335110985	0.629596829	1.235562371	1.209019496
4/21/2014 23:00	1.732853765	0.575943385	1.027371374	1.0557821	1.337123749	0.629596829	1.235019769	1.211046046
4/21/2014 23:30	1.736229506	0.57604287	1.027031953	1.055998981	1.33837278	0.629596829	1.2371969	1.214453493
4/22/2014 0:00	1.738976236	0.576142356	1.026692533	1.05576463	1.339692223	0.629596829	1.240715358	1.214480514
4/22/2014 0:30	1.737743583	0.576241841	1.02619272	1.059377042	1.339900966	0.629596829	1.238538076	1.214192762
4/22/2014 1:00	1.739725673	0.576341326	1.027346683	1.059338624	1.343066671	0.629596829	1.239796329	1.21540972
4/22/2014 1:30	1.738583991	0.576440811	1.031063416	1.058120893	1.341460454	0.629596829	1.238745984	1.212605523
4/22/2014 2:00	1.739711599	0.576540296	1.032509891	1.061223884	1.343840299	0.629596829	1.239271489	1.214408437
4/22/2014 2:30	1.74217277	0.576639781	1.030598681	1.060200578	1.344580722	0.629596829	1.238279513	1.211898172
4/22/2014 3:00	1.740597951	0.576739266	1.03249654	1.05822217	1.347633612	0.629596829	1.238767942	1.214205518

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/22/2014 3:30	1.743766778	0.578726719	1.032865529	1.060184214	1.346086971	0.629596829	1.239336489	1.214616847
4/22/2014 4:00	1.746739635	0.580729127	1.031286983	1.059652397	1.34870586	0.629596829	1.240394403	1.215132762
4/22/2014 4:30	1.746645865	0.580843568	1.030120642	1.059170087	1.347649241	0.629596829	1.239327229	1.215306479
4/22/2014 5:00	1.749201911	0.580958009	1.031636141	1.059264272	1.35031499	0.629596829	1.239323724	1.215397534
4/22/2014 5:30	1.740852347	0.530238019	0.981330124	1.015994845	1.34108778	0.582037913	1.219616052	1.192888257
4/22/2014 6:00	1.770665163	0.578890133	1.027182039	1.052439999	1.365973542	0.625782013	1.241956891	1.216566066
4/22/2014 6:30	1.767296173	0.579978138	1.032289967	1.058751311	1.364519451	0.625509031	1.24244626	1.21943516
4/22/2014 7:00	1.766135507	0.579646826	1.033349465	1.061226856	1.364364025	0.625236049	1.241635292	1.217885501
4/22/2014 7:30	1.765598519	0.579315513	1.033052672	1.05949594	1.363502858	0.624963067	1.243199807	1.217284786
4/22/2014 8:00	1.762395456	0.578984201	1.030518141	1.058261091	1.358103312	0.624690085	1.242153722	1.215927634
4/22/2014 8:30	1.7509673	0.578652888	1.028925153	1.057324398	1.353005762	0.624417103	1.241320761	1.21824384
4/22/2014 9:00	1.747368981	0.578321576	1.029329191	1.056434973	1.348761548	0.624144121	1.239323425	1.212013254
4/22/2014 9:30	1.742303764	0.577990263	1.02865865	1.05610047	1.345778001	0.62387114	1.235938378	1.209787703
4/22/2014 10:00	1.735933717	0.577658951	1.027988108	1.049177252	1.340578351	0.623598158	1.235726608	1.212359943
4/22/2014 10:30	1.729605185	0.577327639	1.027317566	1.052136559	1.336898399	0.623325176	1.231841103	1.205163405
4/22/2014 11:00	1.72772015	0.576996326	1.025993025	1.049745168	1.33624494	0.623052194	1.229968737	1.206874923
4/22/2014 11:30	1.723236023	0.576665014	1.0240413	1.051272778	1.333349883	0.622779212	1.230654202	1.205312199
4/22/2014 12:00	1.718234545	0.576333701	1.022316222	1.04902173	1.328573998	0.62250623	1.226410953	1.20228521
4/22/2014 12:30	1.716010986	0.576002389	1.021485946	1.045320086	1.326575366	0.622233248	1.230558319	1.206448894
4/22/2014 13:00	1.709152925	0.575671076	1.020171342	1.046679836	1.323930582	0.621960266	1.225992046	1.202660857
4/22/2014 13:30	1.706233858	0.575339764	1.020608973	1.045593688	1.322402665	0.621687284	1.225765267	1.20175451
4/22/2014 14:00	1.705319056	0.575008451	1.020679019	1.046119495	1.317904212	0.621414302	1.223105204	1.199667505
4/22/2014 14:30	1.702191418	0.574677139	1.021178113	1.042814329	1.317593233	0.62114132	1.224076018	1.201020852
4/22/2014 15:00	1.700190569	0.574345826	1.014795034	1.046944852	1.315590448	0.620868339	1.220858977	1.19888381
4/22/2014 15:30	1.69978688	0.574014514	1.018038605	1.045820571	1.316986804	0.620595357	1.222611908	1.197306338
4/22/2014 16:00	1.700931288	0.573683202	1.011628018	1.045888126	1.315318881	0.620322375	1.219497147	1.198396331
4/22/2014 16:30	1.69874281	0.573351889	1.0120496	1.047245632	1.314882508	0.620049393	1.222386508	1.198762725
4/22/2014 17:00	1.697238728	0.573020577	1.014511526	1.046635968	1.313215931	0.619776411	1.224741643	1.200649741
4/22/2014 17:30	1.700297934	0.572689264	1.015620796	1.048202119	1.311677197	0.619503429	1.219087907	1.196784935
4/22/2014 18:00	1.700089074	0.572357952	1.017839539	1.045666994	1.317289519	0.619230447	1.224542722	1.197246465
4/22/2014 18:30	1.701836887	0.572026639	1.015549635	1.047249014	1.317351901	0.618957465	1.219767465	1.197228244
4/22/2014 19:00	1.703491396	0.571695327	1.016722969	1.048623704	1.315908535	0.618684483	1.21995767	1.197245306
4/22/2014 19:30	1.708095678	0.571364014	1.018904857	1.048669566	1.318311393	0.618411501	1.221357637	1.195926989
4/22/2014 20:00	1.713017708	0.571032702	1.017608351	1.048976655	1.325815421	0.618138519	1.223825936	1.200858197
4/22/2014 20:30	1.720209359	0.570701389	1.022310967	1.050338355	1.32897202	0.617865538	1.226504581	1.201813909
4/22/2014 21:00	1.722760899	0.570370077	1.02413958	1.056576563	1.333995804	0.617592556	1.224817595	1.201547596
4/22/2014 21:30	1.724430714	0.570038764	1.020655541	1.052389272	1.331858626	0.617319574	1.228251771	1.201320784
4/22/2014 22:00	1.728293615	0.569707452	1.022616398	1.05316261	1.333920258	0.617046592	1.227674414	1.203402938
4/22/2014 22:30	1.725240436	0.56937614	1.020950291	1.051133311	1.336856367	0.61677361	1.227230522	1.202838215
4/22/2014 23:00	1.725636543	0.569044827	1.02235222	1.04859646	1.334422854	0.616500628	1.226743087	1.199668563
4/22/2014 23:30	1.726718012	0.568713515	1.021564671	1.047458692	1.335231117	0.616227646	1.22703396	1.20233181
4/23/2014 0:00	1.723983097	0.565724342	1.007062162	1.039210559	1.332167456	0.616908821	1.222984429	1.197486428
4/23/2014 0:30	1.730531754	0.574310824	1.023056746	1.049814154	1.341341938	0.620297518	1.227554726	1.203852506
4/23/2014 1:00	1.734400936	0.576744431	1.023707504	1.049596879	1.342756991	0.620306307	1.228552326	1.204130935
4/23/2014 1:30	1.733226725	0.574749548	1.022359635	1.052250709	1.342319117	0.620315096	1.225695552	1.202155128
4/23/2014 2:00	1.735368712	0.574835576	1.020238252	1.047907363	1.343781912	0.620323884	1.226624059	1.202125678
4/23/2014 2:30	1.733522712	0.574921604	1.024750471	1.049636671	1.344161502	0.620332673	1.22808771	1.202709813
4/23/2014 3:00	1.733228136	0.575007631	1.021749053	1.046719455	1.342291466	0.620341461	1.227985914	1.202449641
4/23/2014 3:30	1.737952185	0.575093659	1.02223813	1.051308104	1.343415643	0.62035025	1.228050949	1.203577574
4/23/2014 4:00	1.735507233	0.575179687	1.022324071	1.050645242	1.34208182	0.620359039	1.226726082	1.202891664
4/23/2014 4:30	1.735606844	0.575265715	1.021775187	1.049809248	1.343316157	0.620367827	1.226777516	1.20055837
4/23/2014 5:00	1.733553674	0.575351743	1.019646408	1.044185659	1.343399254	0.620376616	1.227384603	1.198990512
4/23/2014 5:30	1.735542489	0.575437771	1.018335624	1.047308052	1.345726468	0.620385405	1.225139217	1.200347905
4/23/2014 6:00	1.737441853	0.575523799	1.020073469	1.046626803	1.345511676	0.620394193	1.227282113	1.203607334
4/23/2014 6:30	1.741660513	0.575609827	1.020576146	1.047492882	1.35051844	0.620402982	1.230053546	1.204031353

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/23/2014 7:00	1.741469629	0.575695855	1.025842404	1.049174318	1.351894557	0.620411771	1.231452719	1.206540736
4/23/2014 7:30	1.743059594	0.575781883	1.024835311	1.049785614	1.349346173	0.620420559	1.228964354	1.205120431
4/23/2014 8:00	1.738328193	0.575867911	1.023610125	1.050018119	1.346477858	0.620429348	1.227888549	1.202601315
4/23/2014 8:30	1.73566801	0.575953939	1.022770487	1.048031079	1.344329575	0.620438136	1.229332578	1.204619019
4/23/2014 9:00	1.731008543	0.576039966	1.019326142	1.047417587	1.344041233	0.620446925	1.228292776	1.205643602
4/23/2014 9:30	1.73056296	0.576125994	1.022656409	1.045403424	1.337638946	0.620455714	1.227944656	1.201378719
4/23/2014 10:00	1.726098306	0.576212022	1.020669785	1.048564728	1.336516537	0.620464502	1.22849715	1.202472144
4/23/2014 10:30	1.722461484	0.57629805	1.022214876	1.0495889	1.333703564	0.620473291	1.226050579	1.202720347
4/23/2014 11:00	1.722322075	0.576384078	1.023009336	1.042706083	1.333235956	0.62048208	1.229025257	1.203032483
4/23/2014 11:30	1.720690959	0.576470106	1.02380116	1.050672478	1.331726317	0.620490868	1.23002635	1.205327693
4/23/2014 12:00	1.714799655	0.576556134	1.024592984	1.050426782	1.327480575	0.620499657	1.231191538	1.208534928
4/23/2014 12:30	1.712833549	0.576642162	1.025290516	1.052321878	1.325680743	0.620508446	1.227885453	1.204742111
4/23/2014 13:00	1.713315854	0.57672819	1.0205615	1.051339218	1.324765054	0.620517234	1.228168537	1.203802339
4/23/2014 13:30	1.708302318	0.576814218	1.021931475	1.051366389	1.323113799	0.620526023	1.230027424	1.206193198
4/23/2014 14:00	1.701829388	0.576900246	1.019984792	1.048174141	1.315932028	0.620534811	1.225738089	1.202968404
4/23/2014 14:30	1.700077257	0.576986273	1.020886421	1.048454175	1.314840152	0.6205436	1.224520888	1.200300201
4/23/2014 15:00	1.697259845	0.577072301	1.018485234	1.053829374	1.313760483	0.620552389	1.223793361	1.198894656
4/23/2014 15:30	1.69704976	0.577158329	1.016905658	1.048857877	1.312584096	0.620561177	1.225130063	1.196428429
4/23/2014 16:00	1.694775871	0.577244357	1.015467042	1.048449677	1.314218746	0.620569966	1.22258426	1.197748451
4/23/2014 16:30	1.697972822	0.577330385	1.020912437	1.048354193	1.31350222	0.620578755	1.224395976	1.200315985
4/23/2014 17:00	1.696004296	0.577416413	1.018117292	1.051497857	1.313850681	0.620587543	1.226732343	1.201989912
4/23/2014 17:30	1.695418952	0.577502441	1.019004974	1.049995451	1.313830156	0.620596332	1.22340344	1.199043131
4/23/2014 18:00	1.692568119	0.577588469	1.018604495	1.051095778	1.313741343	0.620605121	1.221668237	1.199352083
4/23/2014 18:30	1.695218729	0.577674497	1.017188962	1.047537977	1.311831734	0.620613909	1.222710298	1.201915348
4/23/2014 19:00	1.696394475	0.577760525	1.017646785	1.052994722	1.312893763	0.620622698	1.223021252	1.198105232
4/23/2014 19:30	1.700321581	0.577846553	1.020197838	1.052070143	1.316145214	0.620631486	1.225348067	1.200393607
4/23/2014 20:00	1.700528578	0.57793258	1.023325949	1.052507102	1.318290784	0.620640275	1.226130686	1.199838487
4/23/2014 20:30	1.703954588	0.578018608	1.018664659	1.0526972	1.316808424	0.620649064	1.227879359	1.202687708
4/23/2014 21:00	1.705968772	0.578104636	1.02301933	1.052201927	1.319388148	0.620657852	1.226392708	1.202767845
4/23/2014 21:30	1.702769741	0.578190664	1.02205122	1.054455435	1.319651863	0.620666641	1.229463964	1.205767294
4/23/2014 22:00	1.705630931	0.578276692	1.022190104	1.053346395	1.319946396	0.62067543	1.229090705	1.202327867
4/23/2014 22:30	1.708116658	0.57836272	1.024292847	1.05569093	1.321240729	0.620684218	1.228067474	1.203844204
4/23/2014 23:00	1.707900797	0.578448748	1.024806024	1.056619781	1.322679689	0.620693007	1.229098924	1.204431857
4/23/2014 23:30	1.706223736	0.578534776	1.026690097	1.056178901	1.322782544	0.620701795	1.228716959	1.205732884
4/24/2014 0:00	1.706003218	0.578620804	1.029241336	1.05592614	1.322534096	0.620710584	1.231597232	1.208121144
4/24/2014 0:30	1.707715745	0.578706832	1.027911594	1.056617652	1.324629844	0.620719373	1.230924622	1.206152529
4/24/2014 1:00	1.709348688	0.57879286	1.024269497	1.056955498	1.32369343	0.620728161	1.231639101	1.205755583
4/24/2014 1:30	1.706231679	0.580309451	1.028101552	1.055361689	1.323574397	0.62073695	1.232694144	1.206809635
4/24/2014 2:00	1.709470707	0.580273766	1.0282382	1.058727551	1.324317111	0.620745739	1.235146357	1.210288324
4/24/2014 2:30	1.711708663	0.580238082	1.03060444	1.059443288	1.327925502	0.620754527	1.237231462	1.210531032
4/24/2014 3:00	1.712113232	0.580202398	1.030566097	1.057604094	1.327697596	0.620763316	1.236023596	1.210612131
4/24/2014 3:30	1.718799414	0.580166713	1.031117758	1.060808773	1.331050742	0.620772105	1.239313187	1.210562314
4/24/2014 4:00	1.71733019	0.580131029	1.032593787	1.057761528	1.328578414	0.620780893	1.237096042	1.212158987
4/24/2014 4:30	1.715936399	0.580095345	1.033640538	1.058889403	1.329991096	0.620789682	1.237941507	1.211992671
4/24/2014 5:00	1.718871823	0.58005966	1.036367781	1.060874574	1.333159908	0.62079847	1.238192969	1.21362709
4/24/2014 5:30	1.723779816	0.580023976	1.036470528	1.06516152	1.335710318	0.620807259	1.243209694	1.218073579
4/24/2014 6:00	1.723107926	0.579988291	1.032102081	1.064672945	1.333384494	0.620816048	1.241150895	1.216149368
4/24/2014 6:30	1.723078255	0.579952607	1.039200675	1.067006671	1.338363777	0.620824836	1.24554344	1.219737414
4/24/2014 7:00	1.72506817	0.579916923	1.038924589	1.065050454	1.336242936	0.620833625	1.245972557	1.219088098
4/24/2014 7:30	1.722648726	0.579881238	1.036557474	1.064203296	1.333144713	0.620842414	1.243999536	1.220158231
4/24/2014 8:00	1.719505724	0.579845554	1.036850093	1.062404637	1.331115118	0.620851202	1.24458626	1.217572582
4/24/2014 8:30	1.714087877	0.57980987	1.034551596	1.059684999	1.329308234	0.620859991	1.243460488	1.219436393
4/24/2014 9:00	1.714053582	0.579774185	1.036205093	1.063326497	1.325998436	0.62086878	1.244826067	1.218555846
4/24/2014 9:30	1.709758958	0.579738501	1.036459406	1.064852436	1.324276718	0.620877568	1.244788249	1.219385335
4/24/2014 10:00	1.710113229	0.579702817	1.038385515	1.065472747	1.321903674	0.623791978	1.242680265	1.218982555

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/24/2014 10:30	1.706385448	0.579667132	1.036425792	1.063437002	1.320720564	0.626694132	1.242152304	1.216772282
4/24/2014 11:00	1.701651407	0.579631448	1.036459225	1.063264543	1.31637465	0.626690663	1.237560836	1.211132351
4/24/2014 11:30	1.699293867	0.579595764	1.030998808	1.05768922	1.314543144	0.626687195	1.240660634	1.216972497
4/24/2014 12:00	1.699806532	0.579560079	1.038149146	1.059681638	1.31360815	0.626683726	1.239706634	1.215313394
4/24/2014 12:30	1.697647208	0.579524395	1.027703837	1.057487354	1.310087685	0.626680258	1.239011705	1.215315515
4/24/2014 13:00	1.696008133	0.579488711	1.033420657	1.05985546	1.311111243	0.62667679	1.237714958	1.214374769
4/24/2014 13:30	1.696434466	0.579453026	1.029114966	1.058841465	1.309171288	0.626673321	1.240080775	1.21364938
4/24/2014 14:00	1.694393949	0.579024133	1.028273284	1.055754462	1.307577281	0.626669853	1.235938873	1.213830775
4/24/2014 14:30	1.694773911	0.578706098	1.028158875	1.055381704	1.308567635	0.626666385	1.231842464	1.208208219
4/24/2014 15:00	1.692905149	0.578781272	1.026811617	1.053150685	1.306456235	0.626662916	1.238254024	1.209495141
4/24/2014 15:30	1.69349134	0.578856445	1.026717983	1.053806845	1.307439759	0.626659448	1.235176066	1.207330564
4/24/2014 16:00	1.691422331	0.578931619	1.02605229	1.053689543	1.304918023	0.62665598	1.234044016	1.208021091
4/24/2014 16:30	1.694264688	0.579006793	1.024459607	1.051701508	1.305359434	0.626652511	1.232085982	1.206876604
4/24/2014 17:00	1.695701946	0.579081967	1.022552199	1.05451572	1.30450281	0.626649043	1.228554325	1.206103689
4/24/2014 17:30	1.692676876	0.57915714	1.020721318	1.055006745	1.306401195	0.626645574	1.231609278	1.207283801
4/24/2014 18:00	1.693749635	0.579232314	1.024529495	1.054326056	1.308453673	0.626642106	1.230429154	1.207030466
4/24/2014 18:30	1.693002585	0.579307488	1.023243008	1.051692106	1.304674268	0.626638638	1.231126422	1.206571721
4/24/2014 19:00	1.699782228	0.579382662	1.023352977	1.054319019	1.308052897	0.626635169	1.231967415	1.207235045
4/24/2014 19:30	1.698572877	0.579457835	1.026937288	1.054344464	1.311870519	0.626631701	1.233851321	1.208344335
4/24/2014 20:00	1.701813715	0.579533009	1.028294258	1.057887843	1.312818714	0.626628233	1.233343269	1.211258635
4/24/2014 20:30	1.705967666	0.579608183	1.028860974	1.056874176	1.313791052	0.626624764	1.236105919	1.210244722
4/24/2014 21:00	1.709563706	0.579683357	1.030364728	1.059293765	1.315616495	0.626621296	1.238971735	1.212660594
4/24/2014 21:30	1.710178083	0.58003399	1.033082433	1.060182544	1.317999086	0.626617827	1.238333052	1.214092074
4/24/2014 22:00	1.70911121	0.580290896	1.034402727	1.060980293	1.320985852	0.626614359	1.240181728	1.214321074
4/24/2014 22:30	1.711223483	0.580272342	1.033410846	1.059484807	1.320850521	0.626610891	1.238679298	1.213429217
4/24/2014 23:00	1.713278951	0.580253788	1.030144806	1.062361315	1.320000074	0.626607422	1.239644021	1.213776719
4/24/2014 23:30	1.716948329	0.580235234	1.032566593	1.062004961	1.322157983	0.626603954	1.239631667	1.216663998
4/25/2014 0:00	1.716169416	0.58021668	1.032373487	1.06441994	1.324917858	0.626600486	1.237943912	1.212728729
4/25/2014 0:30	1.720326313	0.580198126	1.033245813	1.060262028	1.327404693	0.626597017	1.243287604	1.217634581
4/25/2014 1:00	1.719605739	0.580179572	1.032711696	1.063200313	1.32814609	0.626593549	1.243147486	1.219348397
4/25/2014 1:30	1.72252714	0.580161018	1.032870386	1.062007985	1.325564622	0.626590081	1.241993861	1.21534713
4/25/2014 2:00	1.725073034	0.580142463	1.033147044	1.061156303	1.329345003	0.626031725	1.242957743	1.217532832
4/25/2014 2:30	1.721973438	0.580123909	1.035218306	1.058935325	1.328784824	0.625460385	1.241560056	1.218666319
4/25/2014 3:00	1.724893812	0.580105355	1.034739037	1.060702533	1.329967207	0.625443933	1.240779376	1.214855269
4/25/2014 3:30	1.724568416	0.580086801	1.031465949	1.060213938	1.330812697	0.625427481	1.244544441	1.215978008
4/25/2014 4:00	1.726646557	0.580068247	1.03511425	1.06058134	1.329735712	0.625411029	1.240614971	1.217730174
4/25/2014 4:30	1.728147486	0.580049693	1.03435207	1.056545871	1.331963716	0.625394577	1.243245036	1.217910101
4/25/2014 5:00	1.727820531	0.580031139	1.035042177	1.05936345	1.331762431	0.625378125	1.241751113	1.218288815
4/25/2014 5:30	1.730537902	0.580012584	1.031919111	1.059681135	1.331719194	0.625361673	1.242368931	1.216902726
4/25/2014 6:00	1.731061358	0.57999403	1.033556589	1.057721811	1.331549501	0.625345221	1.241247428	1.216235785
4/25/2014 6:30	1.732577864	0.579975476	1.035769173	1.060433666	1.335250939	0.625328769	1.242228872	1.218349743
4/25/2014 7:00	1.731491321	0.579956922	1.035510134	1.061526853	1.335886868	0.625312317	1.243575715	1.219926632
4/25/2014 7:30	1.73450486	0.579938368	1.034692646	1.059139851	1.337299729	0.625295865	1.242866822	1.217016477
4/25/2014 8:00	1.731262423	0.579919814	1.032057443	1.056337284	1.33515713	0.625279413	1.241037848	1.215980515
4/25/2014 8:30	1.731643763	0.57990126	1.029202568	1.052541862	1.33279519	0.625262961	1.241822748	1.216250657
4/25/2014 9:00	1.727967949	0.579882705	1.028863166	1.05026448	1.332414965	0.625246509	1.23687444	1.212305042
4/25/2014 9:30	1.726911531	0.579864151	1.026550532	1.048057956	1.329931841	0.625230057	1.234671489	1.212778003
4/25/2014 10:00	1.723162373	0.579845597	1.02657631	1.045977339	1.329705915	0.625213605	1.232638435	1.206001957
4/25/2014 10:30	1.720790831	0.579827043	1.025532426	1.044646233	1.325861169	0.625197153	1.231636271	1.205028623
4/25/2014 11:00	1.720188203	0.579808489	1.021288283	1.04492302	1.327470863	0.625180701	1.231040087	1.208177258
4/25/2014 11:30	1.719203545	0.579439311	1.024145254	1.04408643	1.323934102	0.625164249	1.231691597	1.207066282
4/25/2014 12:00	1.721949222	0.579035317	1.02371412	1.044246408	1.324412997	0.625147797	1.230953771	1.205125063
4/25/2014 12:30	1.720189887	0.578981945	1.019852281	1.047454956	1.323413025	0.625131345	1.22843301	1.203703484
4/25/2014 13:00	1.719174531	0.578928574	1.017718316	1.043735868	1.321509767	0.625114893	1.228189099	1.201485966
4/25/2014 13:30	1.718232784	0.578875203	1.018731455	1.039268782	1.320889555	0.625098441	1.225711622	1.201726724

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/25/2014 14:00	1.713842346	0.578821831	1.014941855	1.037301284	1.319247796	0.625081989	1.224262053	1.197335072
4/25/2014 14:30	1.719282257	0.57876846	1.012030789	1.043295329	1.319340149	0.625065537	1.226220556	1.200731247
4/25/2014 15:00	1.717474916	0.578715089	1.012263211	1.039887643	1.317578086	0.625049085	1.223942326	1.201589001
4/25/2014 15:30	1.717993096	0.578661717	1.013132657	1.041487893	1.318869542	0.625032633	1.224301143	1.199062955
4/25/2014 16:00	1.718313744	0.578608346	1.011383414	1.042743505	1.317349125	0.625016181	1.22293341	1.197184713
4/25/2014 16:30	1.716444674	0.578554975	1.011317554	1.038729905	1.317456913	0.624999729	1.224813536	1.200789865
4/25/2014 17:00	1.718858659	0.578501604	1.01224546	1.040937775	1.317638742	0.624983277	1.224022401	1.202282911
4/25/2014 17:30	1.71992748	0.578448232	1.012203435	1.043041344	1.318679068	0.624966825	1.223238831	1.201128822
4/25/2014 18:00	1.718477842	0.578394861	1.012260517	1.040383177	1.319506649	0.624950373	1.223715616	1.19665992
4/25/2014 18:30	1.71996678	0.57834149	1.012537152	1.044158791	1.319176008	0.624933921	1.222327294	1.195517508
4/25/2014 19:00	1.719110543	0.578288118	1.011678963	1.03875446	1.319663659	0.624917469	1.2256112	1.197169353
4/25/2014 19:30	1.723612599	0.578234747	1.010048049	1.04533097	1.321405201	0.624901017	1.222416378	1.198355889
4/25/2014 20:00	1.721777851	0.551980005	0.973216054	1.019807029	1.315610892	0.596418599	1.216343819	1.179494713
4/25/2014 20:30	1.728425352	0.570545034	1.0118853	1.047991328	1.323010207	0.618794547	1.227642586	1.20152637
4/25/2014 21:00	1.730131295	0.57054654	1.016012547	1.047900288	1.326814713	0.618826303	1.228363433	1.202599866
4/25/2014 21:30	1.732374711	0.570548047	1.012756705	1.044015118	1.32913826	0.618858059	1.230228134	1.20385772
4/25/2014 22:00	1.73557189	0.570549553	1.020035806	1.048928592	1.332206236	0.618889815	1.228826398	1.207298586
4/25/2014 22:30	1.735077525	0.57055106	1.019399359	1.049673804	1.332936158	0.618921571	1.232266824	1.205900044
4/25/2014 23:00	1.736635637	0.570552566	1.019162471	1.048463345	1.331985099	0.618953327	1.233486031	1.204864233
4/25/2014 23:30	1.73911711	0.570554073	1.019464484	1.049515754	1.33183187	0.618985083	1.231473523	1.207600204
4/26/2014 0:00	1.735726256	0.570555579	1.016943051	1.047002144	1.333619535	0.619016839	1.228481278	1.203525171
4/26/2014 0:30	1.733249122	0.570557086	1.016190052	1.040265083	1.332491697	0.619048595	1.229059021	1.203555205
4/26/2014 1:00	1.732504032	0.570558592	1.016634984	1.041495073	1.330513654	0.619080351	1.227862698	1.203564416
4/26/2014 1:30	1.734492985	0.570560098	1.017680829	1.044515477	1.330253493	0.619112107	1.225702378	1.202841955
4/26/2014 2:00	1.736655545	0.570561605	1.017466433	1.04276749	1.332890186	0.619143863	1.228620729	1.201714563
4/26/2014 2:30	1.73591284	0.570563111	1.015064695	1.043435629	1.332965679	0.619175619	1.227362713	1.20161221
4/26/2014 3:00	1.739369391	0.570564618	1.01809752	1.04136722	1.335125569	0.619207375	1.225842347	1.201397311
4/26/2014 3:30	1.740779888	0.570566124	1.01301498	1.039253191	1.33583332	0.619239131	1.227199628	1.202640422
4/26/2014 4:00	1.740335392	0.570567631	1.01492507	1.039719124	1.336922149	0.619270888	1.22655184	1.20153861
4/26/2014 4:30	1.746166342	0.570569137	1.017032871	1.040546586	1.339361257	0.619302644	1.228940401	1.202344323
4/26/2014 5:00	1.746933262	0.570570643	1.014053521	1.039322335	1.341745598	0.6193344	1.227496225	1.204847791
4/26/2014 5:30	1.750369741	0.57057215	1.017258167	1.04146636	1.342625426	0.619366156	1.230701944	1.202276061
4/26/2014 6:00	1.75008255	0.570573656	1.019119008	1.041545913	1.344286085	0.619397912	1.231107909	1.205834109
4/26/2014 6:30	1.753086894	0.570575163	1.017639756	1.041606707	1.346274375	0.619429668	1.231915363	1.203089268
4/26/2014 7:00	1.755194559	0.570576669	1.016245013	1.041702581	1.347656748	0.619461424	1.232470877	1.206136223
4/26/2014 7:30	1.756561214	0.570578176	1.018742512	1.041618331	1.350292764	0.61949318	1.229226514	1.208652668
4/26/2014 8:00	1.756128534	0.570579682	1.017441851	1.040107537	1.35145231	0.619524936	1.23160599	1.207895684
4/26/2014 8:30	1.754917739	0.570581189	1.015534443	1.043618932	1.347450827	0.619556692	1.229830714	1.204246845
4/26/2014 9:00	1.756211671	0.570582695	1.015433971	1.04463786	1.348830498	0.619588448	1.23116954	1.205643934
4/26/2014 9:30	1.757388931	0.570584201	1.018211262	1.040408424	1.34861922	0.619620204	1.233463766	1.206298805
4/26/2014 10:00	1.758350489	0.570585708	1.018839501	1.039995319	1.350267572	0.61965196	1.232711673	1.208553645
4/26/2014 10:30	1.754142834	0.570587214	1.013309454	1.039529014	1.347087966	0.619683716	1.228800301	1.20421621
4/26/2014 11:00	1.753798543	0.570588721	1.009473786	1.039482317	1.346135977	0.619715472	1.226667616	1.201501429
4/26/2014 11:30	1.752667139	0.570590227	1.012630583	1.038669066	1.346398375	0.619747228	1.230385294	1.20430594
4/26/2014 12:00	1.754246082	0.571001291	1.008980892	1.040663543	1.346397584	0.619778984	1.226203804	1.19974792
4/26/2014 12:30	1.754655505	0.570888661	1.013717269	1.040011713	1.346057855	0.61981074	1.227894988	1.201119462
4/26/2014 13:00	1.756042001	0.57077603	1.007336443	1.03838268	1.346859191	0.619842496	1.227326744	1.200669393
4/26/2014 13:30	1.75175945	0.570663399	1.011481362	1.035145855	1.343553366	0.619874252	1.222914256	1.19673589
4/26/2014 14:00	1.749495685	0.570550768	1.005997164	1.035877161	1.340949365	0.619906008	1.222211337	1.197717994
4/26/2014 14:30	1.751337887	0.570438138	1.00427822	1.038793027	1.343589585	0.619937764	1.225492106	1.201036398
4/26/2014 15:00	1.753925622	0.570325507	1.008003639	1.034917016	1.345354855	0.61996952	1.22415587	1.198944058
4/26/2014 15:30	1.751453054	0.570212876	1.004193811	1.03354487	1.342553036	0.620001276	1.221026784	1.19717249
4/26/2014 16:00	1.750613194	0.570100246	1.006896621	1.037686471	1.340952723	0.620033032	1.220598879	1.196402944
4/26/2014 16:30	1.750565689	0.569987615	1.005069322	1.036126959	1.340079349	0.620064788	1.219346572	1.194344746
4/26/2014 17:00	1.751729393	0.569874984	1.005865177	1.034233892	1.342251196	0.620096544	1.223506871	1.197839956

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/26/2014 17:30	1.755111285	0.569762354	1.005514792	1.036088635	1.342858655	0.6201283	1.223416049	1.200147639
4/26/2014 18:00	1.753432966	0.569649723	1.00383352	1.037359665	1.342508133	0.620160056	1.220662825	1.199803625
4/26/2014 18:30	1.752637218	0.569537092	1.006335804	1.036073762	1.342988705	0.620191812	1.223884495	1.196788832
4/26/2014 19:00	1.754640463	0.569424462	1.006579561	1.035521249	1.340650979	0.620223568	1.22207626	1.196731301
4/26/2014 19:30	1.751619293	0.569311831	1.006353464	1.032828021	1.342690112	0.620255324	1.219749339	1.196181092
4/26/2014 20:00	1.757272353	0.5691992	1.009222733	1.038966024	1.342590522	0.62028708	1.223858576	1.198707323
4/26/2014 20:30	1.756768963	0.569086569	1.007707306	1.035779136	1.344369252	0.620318836	1.22224646	1.197374631
4/26/2014 21:00	1.756537658	0.568973939	1.008901748	1.037101814	1.346723322	0.620350592	1.224034783	1.199442764
4/26/2014 21:30	1.758543759	0.568861308	1.005861732	1.035526247	1.346582789	0.620640715	1.223514247	1.200200254
4/26/2014 22:00	1.762871346	0.568748677	1.009889932	1.037391726	1.348280143	0.620850719	1.223659203	1.199113696
4/26/2014 22:30	1.763999216	0.568636047	1.010524725	1.037000426	1.351086129	0.620802357	1.225557369	1.200358405
4/26/2014 23:00	1.764008231	0.568523416	1.008836036	1.03849486	1.352129718	0.620753994	1.225614774	1.199231531
4/26/2014 23:30	1.766974134	0.568410785	1.01265063	1.040881766	1.354961692	0.620705632	1.227392974	1.201624817
4/27/2014 0:00	1.769206698	0.567742344	1.012879512	1.037622289	1.35518052	0.62065727	1.226728784	1.201527615
4/27/2014 0:30	1.775588283	0.567431554	1.011565425	1.040455677	1.357539583	0.620608907	1.225487166	1.202372894
4/27/2014 1:00	1.783536389	0.567676574	1.015559764	1.041910193	1.363941077	0.620560545	1.23156168	1.204029737
4/27/2014 1:30	1.785107029	0.567921594	1.015878467	1.043962075	1.368421364	0.620512183	1.23477904	1.209346372
4/27/2014 2:00	1.789128975	0.568166614	1.016216536	1.043657249	1.370878913	0.62046382	1.235872545	1.209695738
4/27/2014 2:30	1.794510166	0.568411634	1.01825871	1.044876574	1.374823945	0.620415458	1.233645348	1.20792443
4/27/2014 3:00	1.793084767	0.568656654	1.018199793	1.043831216	1.375788623	0.620367096	1.237181238	1.212041689
4/27/2014 3:30	1.800702978	0.568901674	1.01858424	1.044008181	1.378649226	0.620318733	1.23576668	1.21313341
4/27/2014 4:00	1.798871959	0.569146693	1.0223701	1.045649236	1.380327144	0.620270371	1.236803777	1.210450825
4/27/2014 4:30	1.799966704	0.569391713	1.017453544	1.043716992	1.380746722	0.620222009	1.238290399	1.210420605
4/27/2014 5:00	1.805443104	0.569636733	1.02275157	1.047694656	1.383618682	0.620173646	1.240604057	1.215804063
4/27/2014 5:30	1.806408619	0.569881753	1.021047976	1.047495709	1.383517927	0.620125284	1.239443472	1.213627228
4/27/2014 6:00	1.807571027	0.570126773	1.023387353	1.049843166	1.387027991	0.620076922	1.2408204	1.214791569
4/27/2014 6:30	1.810645778	0.570371793	1.023489078	1.049308672	1.387217584	0.620028559	1.243175393	1.217246485
4/27/2014 7:00	1.81153724	0.570616813	1.024034376	1.046122426	1.386448304	0.619980197	1.240997536	1.214332315
4/27/2014 7:30	1.811992204	0.570861833	1.02478549	1.049455587	1.38784139	0.619931835	1.241641139	1.214211519
4/27/2014 8:00	1.811433552	0.571106852	1.023795084	1.04888391	1.388435402	0.619883472	1.24219413	1.215722467
4/27/2014 8:30	1.810522713	0.571351872	1.0229503	1.048611848	1.388788666	0.61983511	1.241874753	1.217344055
4/27/2014 9:00	1.809035654	0.571596892	1.021300688	1.045836603	1.388423572	0.619786748	1.23965447	1.216363258
4/27/2014 9:30	1.809306069	0.571841912	1.023146647	1.044692727	1.386274459	0.619738386	1.241651129	1.216847931
4/27/2014 10:00	1.807304441	0.574443401	1.0208007	1.04434393	1.386019997	0.619690023	1.238669896	1.212852581
4/27/2014 10:30	1.802648977	0.576701707	1.018667309	1.039589288	1.382721861	0.619641661	1.237340156	1.213250241
4/27/2014 11:00	1.803099716	0.576603545	1.016346318	1.038076616	1.381345381	0.619593299	1.235012465	1.208989946
4/27/2014 11:30	1.802671305	0.576505383	1.017720532	1.040785416	1.379943007	0.619544936	1.233477579	1.207792089
4/27/2014 12:00	1.799139256	0.576407221	1.015350984	1.039715756	1.380561341	0.619496574	1.23457545	1.208384272
4/27/2014 12:30	1.798386994	0.576309059	1.014132992	1.039838463	1.378981575	0.619448212	1.234127617	1.208951133
4/27/2014 13:00	1.795091389	0.576210897	1.012400532	1.036305727	1.376956469	0.619399849	1.231348991	1.204887384
4/27/2014 13:30	1.796581756	0.576112735	1.011010101	1.035059466	1.377164446	0.619351487	1.232198812	1.203861575
4/27/2014 14:00	1.795471376	0.576014573	1.010684523	1.03550555	1.375869014	0.619303125	1.231716606	1.206253483
4/27/2014 14:30	1.796729891	0.575916411	1.011549021	1.037043215	1.377473637	0.619254762	1.230636052	1.205974867
4/27/2014 15:00	1.796080987	0.575818249	1.009233338	1.035773134	1.376199474	0.6192064	1.229525814	1.205713898
4/27/2014 15:30	1.795734487	0.575720087	1.010393048	1.037664519	1.378121397	0.619158038	1.229736152	1.202723976
4/27/2014 16:00	1.798205462	0.575621924	1.01245153	1.037091307	1.377098309	0.619109675	1.230781569	1.204618485
4/27/2014 16:30	1.798242686	0.575523762	1.014457585	1.036208243	1.376688313	0.619061313	1.230251354	1.201381911
4/27/2014 17:00	1.796411103	0.5754256	1.009968797	1.033940352	1.374604228	0.618887871	1.229835289	1.202744109
4/27/2014 17:30	1.799027196	0.575327438	1.007822871	1.038551034	1.375717409	0.623969599	1.22938349	1.201638719
4/27/2014 18:00	1.801261498	0.575229276	1.006398678	1.040277521	1.377899915	0.624602269	1.230460235	1.205584684
4/27/2014 18:30	1.796351124	0.562846156	1.001355744	1.030307305	1.376991636	0.616849306	1.227138993	1.196766975
4/27/2014 19:00	1.801473887	0.569831411	1.016055048	1.038178411	1.379597211	0.623299861	1.230190402	1.202431604
4/27/2014 19:30	1.804318238	0.570492645	1.011446872	1.038513405	1.380831571	0.623411763	1.234038095	1.207664185
4/27/2014 20:00	1.806708062	0.571153879	1.01516052	1.043362078	1.384640268	0.623523664	1.235652425	1.208917273
4/27/2014 20:30	1.808943003	0.571815113	1.01514248	1.042471549	1.385088845	0.623635566	1.235567575	1.208140878

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**	**MOD**	**HIGH**	**HEPA 1**	**HEPA 2**
4/27/2014 21:00	1.808214309	0.572476347	1.01382494	1.043242148	1.385065702	0.623747468	1.234691432	1.207012854
4/27/2014 21:30	1.81212394	0.573137581	1.018762464	1.039571779	1.387164863	0.62385937	1.237266069	1.211517609
4/27/2014 22:00	1.813569979	0.573798815	1.020061845	1.042545622	1.388183462	0.623971272	1.237486284	1.210389131
4/27/2014 22:30	1.81472577	0.574460049	1.01817397	1.044729644	1.388052898	0.624083173	1.237185331	1.21143259
4/27/2014 23:00	1.812902026	0.575121284	1.022446394	1.046881647	1.38997834	0.624195075	1.237482259	1.212270671
4/27/2014 23:30	1.815608829	0.575782518	1.017975247	1.046428182	1.390362818	0.624306977	1.237621745	1.212682387
4/28/2014 0:00	1.814862549	0.576443752	1.019440509	1.044942932	1.391189514	0.624418879	1.237671643	1.214955242

*in wg - inches of water gauge